

[Patent Office Library Series: No. 12.]

Technical Series: No. 9.]

T
8
G68
no.12

EXCH
OCT 12

SUBJECT LIST

OF WORKS ON

ARCHITECTURE AND BUILDING
CONSTRUCTION,

IN THE

LIBRARY OF THE PATENT OFFICE.

UC-NRLF



B 3 136 342



LIBRARY
OF THE
UNIVERSITY
OF
CALIFORNIA

LONDON:

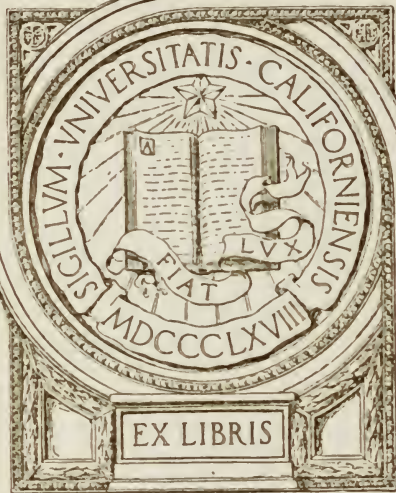
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE
BY DARLING & SON, LD., 34-40, BACON STREET, E.
PUBLISHED AT THE PATENT OFFICE, 25, SOUTHAMPTON BUILDINGS,
CHANCERY LANE, LONDON, W.C.

1903.

[Price 6d.]

PRICE 2/-

EXCHANGE



EX LIBRIS

[Patent Office Library Series: No. 12.]

Bibliographical Series: No. 9.]

SUBJECT LIST

OF WORKS ON

ARCHITECTURE AND BUILDING CONSTRUCTION,

IN THE

LIBRARY OF THE PATENT OFFICE.



LONDON:

PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY DARLING & SON, LD., 34-40, BACON STREET, E.
PUBLISHED AT THE PATENT OFFICE, 25, SOUTHAMPTON BUILDINGS,
CHANCERY LANE, LONDON, W.C.

1903.

[Price 6d.]

T8

G68

no. 12

EXCHANGE

PREFACE.

This subject list consists of two parts:—(a) A general alphabet of subject headings, with entries in chronological order of the works arranged under these headings; (b) a Key, or a summary of these headings shown in class order.

Under each of these headings the searcher will find entries of all works in the Library which are exclusively devoted to the subject of that heading. For instance, special treatises on "Stoves and Grates" will be found in the general alphabet (pp. 132-135) under that heading. Should the reader require further information on the subject he must refer to the Key (p. 155), where he will find—

HEATING AND VENTILATING BUILDINGS

Stoves and Grates. *See also* Cooking Stoves and Ranges; [Greenhouses, etc.].

The headings, therefore, "Heating and Ventilating Buildings," and "Cooking Stoves and Ranges," are those which should next be consulted.

488 & 12 Wt 9360 5/03 D & S 2 17721 A 2

818046

In placing a work under a given heading the contents of the work have been regarded in preference to the language of the title page, which is often misleading. These lists, therefore, should be used strictly as subject guides and not for the purpose of tracing a work by its title. A searcher who wishes to find a work by a given writer or similar information should consult the general catalogue of the Library.

Under the headings the entries are arranged in chronological order—the date being usually that of the imprint. This mode of arrangement will be found of material assistance to searchers for novelty and in the investigation of matters of historical interest. It will also enable the reader to select at once the latest work on a particular subject, or to confine his search within limits of date.

To find the place of a given work upon the Library shelves, the number in parentheses at the end of the entry in these Lists should be noted and the Library press book consulted, where, against the same number, the shelf mark is given. For general purposes, the type-written guide to the shelf classification, which will be found at the central desk in the Library, will suffice to lead a searcher to a particular group of works. The Periodicals, which in these Lists are arranged in strict order of date, are on the shelves

further divided into three series, the octavo, quarto, and folio. A description of the system of filing and classifying the Periodical Publications will be found in the Class List and Index of the Periodical Publications in the Patent Office Library (Library Series No. 8).

The present list comprises 1344 works (71 serials, 1273 textbooks, etc.), representing some 3173 volumes. The Catalogue entries relating to these works number 1739 and are distributed under 217 headings and sub-headings.

C. N. DALTON,
Comptroller-General.

May, 1903.



Digitized by the Internet Archive
in 2008 with funding from
Microsoft Corporation

SUBJECT LIST

OF WORKS ON

ARCHITECTURE AND BUILDING CONSTRUCTION.

Acoustics, Architectural. *See* Architectural acoustics.

Administrative buildings. *See* Public buildings.

ALBERT HALL,

1873. *Scott, H. Y. D.* On the construction of the Albert Hall. *Roy. Engineers, Corps of.* Prof. Papers. New Ser. Vol. xxi. F 90: 844

ALHAMBRA.

- [1848.] *Jones, O., and Goury, J.* Plans, elevations, etc., of the Alhambra. London. 2 vols. fol. (1,036)
1854. *Crystal Palace Co.* The Alhambra court in the Crystal Palace. Erected and described by O. Jones. Sydenham. sm. 8°. (15,295)

AMPHITHEATRES.

1621. *Lipse, J.* De Amphitheatro. Antwerp. fol. (10,345)

ARBITRATION.

1875. *Fletcher, B. F.* Arbitrations. London. sm. 8°. (20,694)

Arcades. *See* Mercantile Buildings.

ARCHES AND VAULTING.

(History.)

1805. *Dutens, L.* Recherches sur le tems le plus reculé de l'usage de voûtes chez les anciens. London. 8°. (5,456)
1807. — Same. Nouv. éd. London. 8°. (5,469)
1891. *Wonnacott, E. W. M.* The history and development of vaulting in England from the Norman Conquest to the Reformation. London. lithogr. fol. (5,780)

(General treatises.)

1776. *Nieuport, C. F. F. Chevalier de.* Essai analytique sur la mécanique des voûtes. (Excerpt.) 4°. (4,534)
- 1801-4. *Atwood, G.* On the construction and properties of arches. With supplement. London. 4°. (8,672)
1808. *Tappin, G.* A method of building groined arches in brickwork. Added, a theory of their construction, by J. Narrien. London. 4°. (10,155)
- — Same. (Reprint.) London, 1819. (10,488)
1809. *Ware, S.* Remarks on theatres; and on the propriety of vaulting them with brick and stone; with observations on the construction of domes and the vaults of the free and accepted masons [and an appendix on the origin of the pointed arch, etc.]. London. 8°. (13,853)
- 1809-11. *Lapicida (pseud.), and others.* On the theory of arches. (Excerpta.) London. 8°. (9,188)
1811. *Guillt, J.* Treatise on the equilibrium of arches. London. 8°. (5,496)
1826. — Same. 2nd ed. London. 8°. (761)
1839. *Bland, W.* Experimental essays on the principles of construction in arches, piers, buttresses, etc. London. 8°. (14,904)
- *Hart, J.* A treatise on the construction of oblique arches. 2nd ed. London. 8°. (17,580)
1845. *Blair and Phillips.* An essay on a method of construction [of arches] for viaducts, bridges, etc. London. 8°. (8,968)
1854. *Schubert, J. A.* Ueber die Stützung und Construction der geraden, insbesondere der schiefen Wölb-bogen. Königl. polytechn. Schule zu Dresden. Programm. B 67 D :
1870. *Airy, W.* Iron arches. The practical theory of the continuous arch. (Reprint.) London. 8°. (16,884)

ARCHES AND VAULTING—*continued.*(General treatises)—*continued.*

1874. *Allan, W.* Theory of arches. New York. 18°. (17,871)
- *Cain, W.* A practical theory of voussoir arches. New York. 18°. (17,870)
1875. *Bland, W.* Experimental essays on the principles of construction in arches, piers, buttresses, etc. 4th ed. London. 12°. (18,097)
- [1876.] *Jeep, W.* Bogenkonstruktionen. Leipzig. sm. 8°. (6,098)
1886. *Ritter, W.* Der elastische Bogen berechnet mit Hülfe der graphischen Statik. Zürich. 8°. (20,935)
1895. *Körner, C.* Gewölbte Decken (Gewölbe). *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 3. 8°. (22,285)
- *Oesterreichischer Ingenieur- und Architekten-Verein.* Bericht des Gewölbe-Ausschusses. (Reprint.) Wien. 4°. (5,575)
1896. *Bell, G. J.* Treatise on segmental and elliptical, oblique or skew arches. Carlisle. 4°. (25,159)

(Centering and Decentering.)

1874. *Beaudemoulin, L. A.* Études sur une propriété spéciale du sable et sur ses applications [in decentering arches]. (Reprint.) Paris. 8°. (24,307)
1875. *McMaster, J. B.* Bridge and tunnel centres. New York. 18°. (18,330)
1891. *Maginnis, O. B.* Practical centring. New York. 8°. (23,381)

Architects, Biographies of. See *Architecture (Dictionaries)*; and in General Catalogue under name of Architect (e.g., Wren, Sir C., etc.).

ARCHITECTURAL ACOUSTICS.

1844. *Reid, D. B.* Theory, etc., of ventilation; with remarks on . . . the communication of sound. London. 8°. (970)
1861. *Smith, T. R.* A treatise on the acoustics of public buildings. London. 8°. (6,114)
1872. *Orth, A.* Die Akustik grosser Räume mit speciellem Bezug auf Kirchen. (Reprint.) Berlin. fol. (7,302)
1873. *Saeltzer, A.* Treatise on acoustics in connection with ventilation. New York. sm. 8°. (109)

ARCHITECTURAL ACOUSTICS—*continued.*

1879. *Day, F. J.* The acoustical unit of dimensions of rooms. *Roy. Engineers, Corps of.* Prof. Papers. Vol. iii. No. 4. F 90: 844
1884. *Orth, A.* Anlagen zur Erzielung einer guten Akustik. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 6. 8°. (22,285)
1888. *Eichhorn, A.* Die Akustik grosser Räume nach altgriechischer Theorie; nebst der Berechnung einiger zugehöriger Beispiele aus alter und neuer Zeit. Berlin. 4°. (7,125)
1894. *Sturmhoefel, A.* Akustik des Baumeisters oder der Schall im begrenzten Raume. Berlin. 8°. (24,695)
1895. *Burrows, H. W.* Sound in its relation to buildings. (Excerpt.) London. 4°. (11,814)
- *Smith, T. R.* Acoustics in relation to architecture and building. New ed. London. 12°. (24,475)
1898. *Kelly, E. H.* Architectural acoustics. [Buffalo, N.Y.] 8°. (26,436)

ARCHITECTURAL DESIGNS AND DRAWINGS.

(General treatises.)

- 1711-16. *Decker, P.* Fürstlicher Baumeister: oder Architectura Civilis. Augsburg. 2 vols. in 1. fol. (4,967)
1736. *Smith, J.* A specimen of ancient carpentry. [Part ii.] Designs of frontispieces for doors, gateways, piers, pavillions, temples, chimney pieces, etc. London. 4°. (15,734)
- 1769-72. *Couvillies, F. S. de, père et fils.* Œuvres d'architecture, contenant des édifices publics, des palais, des jardins, etc., avec un livre de dessins et d'ornemens. Munich, etc. fol. (507)
1770. *Langley, B.* The city and country builder's and workman's treasury of designs. London. 4°. (509)
1781. *Pain, W.* The builder's golden rule. . . . Ornamental and useful designs in architecture and carpentry. London. 8°. (7,056)
1795. *Plaw, J.* Ferme ornée; or rural improvements. London. 4°. (10 889)
1820. *Cook, A. G.* The new builder's magazine. [Part ii. Designs.] London. 4°. (22,206)
1827. *Prussia: Technische Deputation für Gewerbe.* Vorlegeblätter für Zimmerleute. Berlin. 2 vols. fol. (1,154)
1830. — — Vorlegeblätter für Maurer. Berlin. 2 vols. fol. (1,155)

ARCHITECTURAL DESIGNS AND DRAWINGS—*continued.**(General treatises)*—*continued.*

1836. *Robinson, P. F.* Rural architecture; or a series of designs for ornamental cottages, [farmhouses, almshouses, boathouse, dairy, etc.]. 4th ed. London. 4°. (854)
- — [A sequel to the above, *entitled*] Village architecture; being . . . designs for the inn, the schoolhouse, almshouses, markethouse, shambles, workhouse, parsonage, townhall, and church. 4th ed. London, 1837. 4°. (874)
1841. *Prussia: Technische Deputation für Gewerbe.* Vorlege-Blätter für Maurer und Zimmerleute. Nachträge entworfen von G. Stier. Berlin. 4° and fol. (1,162)
1844. — — Vorlege-Blätter für Baumeister. Berlin. 4° and fol. (1,395)
- [1844-45.] *Gaertner, F. von.* Sammlung der Entwürfe ausgeführter Gebäude. Lief. 1 and 2. Bibliothek- und Archiv-Gebäude in München. Stuttgart, obl. fol. (16,319)
- 1870-80. *Narjoux, F.* Architecture communale.
Série i., ii. Hôtels de ville, mairies, maisons d'écoles, salles d'asile, presbytères, halles et marchés, abattoirs, lavoirs, fontaines, etc. iii. Architecture scolaire.
Paris. 2 vols. fol. (10,974)
- 1871-72. *Knapp, G.* Grosses Vorlagewerk a. d. G. der Bau-, Ingenieurwissenschaft und Gewerbkunde. Heft 1-4. Tafeln 1-20. Halle. 4°. (15,274)
1874. *Birch, J.* Country architecture; . . . a series of designs for buildings connected with landed property, comprising labourers' cottages, labourers' institute, mechanics' dwellings, lodges, . . . smithies and farriers' houses, . . . farm buildings, village hospital, schools, etc. Edinburgh, etc. 4°. (6,463)
- [1881.] *Modern architectural designs and details . . . in the Queen Anne, Eastlake, Elizabethan and other modernized styles.* New York. fol. (15,786)
1883. *Architectural Association, Boston.* Sketch book. 1st issue. [Boston, Mass.] 4°. (8,777)
- [1883 ?] *Busbridge, W.* Portfolio of working drawings of building construction. Plumstead, *Vol. 1 only.* obl. 4°. (13,441)
- [1884.] *Fonteyne, J.* Die Praxis des Architekten. Steinarbeiten, Bautischlerarbeiten. Plafonds und Kunst-Schmiedearbeiten. Berlin. fol. 120 plates. (20,580)
- A reissue, with German title page, of his Documents pratiques d'architecture.
Contains designs for chimneypieces, doors, ceilings, etc.

ARCHITECTURAL DESIGNS AND DRAWINGS—*continued.**(General treatises)*—continued.1884-93. *Klasen, L.* Grundriss-Vorbilder von Gebäuden aller Art.

- Abth. I. Wohn- und Geschäftshäuser. 1884.
- .. ii. Gasthäuser, Hôtels und Restaurants. 1884.
- .. iii. Schulgebäude. 1884.
- .. iv. Gebäude für Gesundheitspflege und Heilanstalten. 1884.
1. Bades- und Waschanstalten.
 2. Krankenhäuser und andere Heilanstalten.
 3. Irrenanstalten.
- .. v. Viehmärkte, Schlachtböfe und Markthallen. 1884.
- .. vi. Gebäude für Handelszwecke. 1884.
- .. vii. Gebäude für Vergnügen, für Konzerte und Vergnügungen. [Includes Panoramas and Dioramas.] 1886.
- .. viii. Wohlthätigkeitsanstalten. 1886.
- .. ix. Gebäude für Verwaltungszwecke. [Gemeinde- und Rathhäuser; Regierungs- und andere Verwaltungsgebäude; Post- und Telegraphengebäude; Gebäude für Volksvertretungen.]
- .. x. Gebäude für Kunst und Wissenschaft. [Museen; Bibliotheken, Archive; Ausstellungen; Theatergebäude; Hallenbauten für Bundesfeste (Schützen-, Säger-Turn-Feste, etc.); Sternwarten, Meteorologisches Institut, etc.; Gebäude für Akademien der Wissenschaften und andere gelehrte Gesellschaften; Ateliers für Maler, Bildbauer und Photographen.]
- .. xi. Kirchliche Gebäude. 1889.
- .. xii. Gebäude für militärische Zwecke. 1890.
- .. xiii. Gebäude für Justizzwecke. 1891.
- xiv. Gebäude für die Zwecke der Land-, Garten- und Forstwirthschaft.
- .. xv. Industrielle Anlagen. 1896.
1. Bierbrauereien, Spiritusbrennereien, Stärke-, Dextrin-, Traubenzucker- und Sago-Fabriken.
 2. Zuckerfabriken, Zuckerwaaren-, Chocollen- und Cichorien-Fabriken.
 3. Mühlen, Brot- und Gebäckfabriken.
 4. Fabriken für die Metallindustrie und für Maschinenbau.
 5. Fabriken für die Kalk-, Thon-, Porcellan-, Cement- und Glas-Industrie.
 6. Fabriken für die Textil-Industrie.
 7. Fabriken für die chemische Industrie.

Leipzig. 21 vols. 4°. (22,643)

ARCHITECTURAL DESIGNS AND DRAWINGS—*continued.**(General treatises)*—*continued.*

- 1886-[90]. *Wright, F. A.* Architectural studies. Vols. 1-2. New York. 2 vols. fol. (11,960)
- [189 ?] *Constructions modernes et économiques, avec plans, coupes, élévations et détails. Dessinés à l'échelle et cotés par divers architectes.* Paris. 4 vols 4°. (23,095)
- [1890-92.] *Schirmer, R.* Plastische Ornamente für Bau- und Kunstgewerbe besonders für Verzierung von Façaden, etc. . . . im Styl des Barock und Rococo. Serie i.[-ii.]. Berlin. fol. (22,985)
- [1896.] *Architecture nouvelle. Choix de petites constructions, maisons de campagne, etc., exécutées par divers architectes aux environs de Paris, etc.* Dourdan. 4°. (25,411)

(Periodicals.)

- 1888-91. *Architectural Association.* Sketch-book. London F 68||888
- 1889, etc. *Academy Architecture and Annual Architectural Review.* London. F 68 : 889
With classified index to vols. 1-21 (1889-1902).
- 1891-92. *Builder Album of Academy Architecture.* London. F 68||891

ARCHITECTURAL DRAWING.

1725. *Halfpenny, W.* The art of sound building demonstrated in geometrical problems. London. fol. (9,868)
1761. *Kirby, J. J.* The perspective of architecture. London. 2 vols. fol. (483)
1766. *Oakley, E.* Every man a compleat builder : or, rules and proportions for drawing and working the several parts of architecture. [pp. 17-32. Glossary.] London. 8°. (3,588)
- 1841-42. *Walker, T. L.* An essay on architectural practice. Sections 1-2. On the construction of general and detail working drawings. London. 2 pts. 8°. (11,644)

ARCHITECTURAL DRAWING—*continued.*

1853. *Armengaud, aîné, J. E. and others.* Practical draughtsman's book of industrial design. From the French, re-written, etc. by W. Johnson. London. 4°. (1,125)
- *Burn. R. S.* The illustrated London practical geometry and its application to architectural drawing. London. 2nd ed. 8°. (22,205)
1857. *Appleton, D.* Appleton's cyclopædia of drawing. Edited by W. E. Worthen. New York. 8°. (7,308)
1860. *Johnson, W.* The practical draughtsman's book of industrial design. Founded upon the "Nouveau cours raisonné de dessin industriel," of M. Armengaud, aîné, and others. 2nd ed. London. 4° (10,130)
- [1891.] *Building.* The building and machine draughtsman. By various practical draughtsmen. London. sm. 8°. (22,738)
1892. *Appleton, D.* Appleton's cyclopædia of drawing. Edited by W. E. Worthen. New York. 8°. (23,833)
- *Spiers, R. P.* Architectural drawing. London. 4°. (23,464)
1895. *Göller, A.* Lehrbuch der Schattenkonstruktion und Beleuchtungskunde. Stuttgart. fol. (24,823)

ARCHITECTURAL EDUCATION.

1847. *Donaldson, T. L.* Architectural maxims and theorems. [Added.] On the education and character of the architect. London. 8°. (1,014)
1894. *Barkhausen, G., and Lauter, W. H.* Ueber die praktische Ausbildung der Studirenden des Baufaches, etc. *Fortschritte a. d. G. der Architektur.* No. 3. F 70: 894

ARCHITECTURAL PHOTOGRAPHY.

1890. *Mills, F. W.* The art and practice of interior photography. Huddersfield. 8°. (22,483)
- — Photography for architects. London. 8°. (22,907)

ARCHITECTURE AND BUILDING CONSTRUCTION.

(Bibliography.)

1865. *Baldamus, E.* Die literarischen Erscheinungen der letzten zwanzig Jahre a. d. G. der Baukunde. Leipzig. 8°. (15,684)
1873. *Klette, R.* Die periodische Literatur der Bautechnik, 1862 bis 1872. Halle. 8°. (16,259)
- 1887-95. *Koditek, J.* Repertorium der wichtigsten Zeitschriften des Hochbauwesens. [i. 1836-83] Neue Ausgabe. [ii.] 1884-94. Leipzig, etc. 2 vols. 8°. (24,813)
- 1889-99. *Royal Institute of British Architects.* Library catalogue. Printed books and manuscripts, 1834-1888. [With] supplement to December, 1898, London. 2 vols. in one. 4°. (26,408)
1894. *Boston Public Library.* Catalogue of the books relating to architecture, construction and decoration. Boston. 8°. (29,326)
- 1900, etc. *American Institute of Architects.* Quarterly bulletin. Containing an index of literature . . . on architecture, etc., from Jan. 1, 1900. Washington, D.C. F 60 : 870a.

(Dictionaries.)

1734. *Builder.* The builder's dictionary; or gentleman and architect's companion. London. 2 vols. 8°. (13,413)
1736. *Neve, R.* The city and country purchaser's and builder's dictionary. 3rd ed. London. 8°. (3,445)
- 1770-71. *Roland Le Virloys, C. F.* Dictionnaire d'architecture en François, Latin, Italien, Espagnol, Anglois et Allemand. Paris. 3 vols. 4°. (5,204)
1820. *Cook, A. G.* The new builder's magazine. [Part i. Dictionary.] London. 4°. (22,206)
1838. *Britton, J.* A dictionary of the architecture and archæology of the middle ages. London. 8°. (2,601)
- *Glossary.* A glossary of terms used in Grecian, Roman, Italian, and Gothic architecture. [By J. H. Parker.] 2nd ed. London. 8°. (876)
1845. *Schmit, J. P.* Manuel de l'architecte des monuments religieux. [pp. 259-467, Vocabulaire d'architecture et d'archéologie.] Paris. 18°, with atlas. (4,495)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*(Dictionaries)—*continued.*

1846. *Stuart, R.* [*pseud. i.e., Robt. Stuart Melkleham.*] A dictionary of architecture. London. 3 vols. 8°. (2,061)

Appendix ii.; Class Bibliography.

- 1848-52. *Architectural Publication Society.* Detached essays.

Contents.

- Stained glass. J. M. Lockyer, Jun.
 Abattoir. G. R. Burnell.
 Aqueduct. Servaas de Jong.
 Baths and washhouses. Ashpitel and Whichecord.
 Building. On, T. Föller; with biographical notice by J. W. Papworth.
 Building. Essay on the three chief principles of magnificent. Sir B. Gerbier; with biographical notice by J. W. Papworth.
 Campanile. E. P'Anson.
 Chinese architecture. E. Ashworth.
 Design. Elements of; from the second chapter of the first book of *De Architectura*, by M. Vitruvius Pollio; with observations by W. W. Pocock.
 Design. Principles and practice of architectural. G. Wigetwick.
 Dryth Closet. W. Healy.
 Gable (frisk). T. L. Donaldson.
 Heat. R. S. Burn.
 Hip-knob. E. de la Querliere; transl. by A. W. Morant.
 Pediment. E. S. L'Eveillé; transl. by J. M. Lockyer, Jun.
 Pinnacles. On the construction of, M. Boriczer; transl. with observations and biographical notice by J. W. Papworth.
 Ridge. E. de la Querliere; transl. by A. W. Morant.
 Surveyor's oblique The. J. Norden; with biographical notice by J. W. Papworth.
 Ventilation. R. S. Burn.

London. 1854. 4^l.

Complementary to the following work. (6,307)

- — Dictionary of architecture. London. [1853-]1892. 8 vols. fol. (6,307)
1850. *Glossary.* A glossary of terms used in Grecian, Roman, Italian, and Gothic architecture. [Compiled by J. H. Parker.] 5th ed. Oxford. 3 vols. 8°. (29,155)
1858. *Moties, O.* Allgemeines deutsches Bauwörterbuch. Leipzig. 2 vols. in one. 8°. (4,266)
- 1858-68. *Viollet-le-Duc, E. E.* Dictionnaire raisonné de l'architecture Française du XIe. au XVIe. siècle. Tome I.-IX. Dictionnaire. Tome X. Table des mots, etc. Paris. 10 vols. 8°. (14,270)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Dictionaries)*—*continued.*

- 1863-68. *Mothes, O.* Illustrirtes Bau-Lexikon. 2te Aufl. Leipzig, etc. 3 vols. in one. 8°. (13,102)
1868. *Ramée, D.* Dictionnaire général des termes d'architecture, en Français, Allemand, Anglais, et Italien. Paris. 8°. (13,272)
- [187?] *Pernot, L. T.* Guide pratique du constructeur. Dictionnaire des mots techniques employés dans la construction et des termes d'architecture civile. Augmenté et refondu par C. Tronquoy et C. Baye. Paris. 12°. (20,930)
1875. [1874-76.] *Chabat, P.* Dictionnaire des termes employés dans la construction. Paris. 8°. (16,598)
- 1877-80. *Bosc, E.* Dictionnaire raisonné d'architecture. Paris. 4 vols. 8°. (17,749)
- 1877-91. *Clairac y Saenz, P.* Diccionario general de arquitectura é ingenieria. Con una introduccion por E. Saavedra. [A-Mar.] Madrid. 8°. *All published.* (10,245)
1888. *Dictionary.* A dictionary of the leading technical and trade terms of architectural design and building construction. With French and German equivalents. By the editor of "The Technical Journal." London. 8°. (21,561)
1892. *Parker, J. H.* A concise glossary of terms used in Grecian, Roman, Italian, and Gothic architecture. 8th ed. London. sm. 8°. (23,456)
- [1893.] *Planat, P.* Encyclopédie de l'architecture et de la construction. Vol. i.-vi. [With] Tables du texte et des dessins. Paris. 7 vols. 8°. (24,671)
- 1901-2. *Sturgis, R.* A dictionary of architecture and building, biographical, historical, and descriptive. New York. 3 vols. 4°. (27,660)

(General treatises.)

- [Circa B.C. 15.] *Vitruvius Pollio, M.* De Architectura libri decem. Recensuit, etc., J. G. Schneider. Leipzig. 1807-08. 3 vols. 4°. (29,163)
- — — *Architectura.* Ed. J. Poleni. Udine, 1825-30. 4 vols. in eight. 4°. (7,152)
- — — *The architecture of M. Vitruvius Pollio.* Transl. by J Gwilt. New ed. London, 1860. 12°. (6,014)
(For other editions, etc., of Vitruvius, see General Catalogue.)

ARCHITECTURE AND BUILDING CONSTRUCTION—continued.

(General treatises)—continued.

- [1551.] *Serlio, B.* The first [-fifth] book of architecture, made by Sebastian Serly. Translated out of Italian into Dutch and out of Dutch into English, by R. Peake. London, 1611. fol. (3,043)
1663. *Palladio, A.* The first book of architecture. From the Italian, with an appendix touching doors and windows, by P. Le Muet. From the French, by G. Richards, with designs of floors lately made at Somerset House; and the framing of houses, etc. London. 4°. (3,155)
- — Same. 12th ed. London, 1733. 4°. (443)
1676. *Felibien, A.* Des principes de l'architecture, etc.; avec un dictionnaire des termes. [By A. Felibien.] Paris. 4°. (397)
1693. *Scamozzi, V.* The mirror of architecture; or the ground rules of the art of building. [A description of the five orders of architecture.] Reviewed and enlarged by J. Schuym. Translated out of Dutch by W. F. *At end*, The ground-rules of architecture collected by Sir H. Wotton. 1686. London. 4°. (2,045)
1699. *Arler, A. C. d.* Cours d'architecture qui comprend les ordres de Vignole, etc., l'art de bâtir avec une explication de tous les termes. 3me éd. Paris. 2 vols. 4°. (408)
1733. *Freart, R.* A parallel of the ancient architecture with the modern. Added, an account of architects and architecture, by John Evelyn. With L. B. Alberti's Treatise of statues. 4th ed., with addition of the Elements of architecture, by Sir H. Wotton. London. fol. (22,207)
1759. *Morris, R.* Lectures on architecture, consisting of rules founded upon harmonick. . . proportions in building. 2nd ed. London. 8°. (5156)
- 1768-75. *Sandart, J. von.* Teutsche Academie der Bau-Bildhauer-und Maler-Kunst. Nürnberg. 8 vols. 4°. (2,218)
- With general index in Vol. 8.
1768. *Ware, I.* A complete body of architecture. [With] some designs of Inigo Jones never before published. London. fol. (502)
1776. *Louth, T. H.* Essay on architecture. [Cambridge.] 4°. (10,383)
- 1811-12. *Toussaint de Sens, C. J.* Traité de géométrie et d'architecture, théorique et pratique. Paris. 2 vols. 4°. (15,687)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(General treatises)*—*continued.*

- 1812-17. *Rondelet, J.* Traité de l'art de bâtir. Paris. 4 vols. in five. 4°. (5,508)
1824. *Paulin, A.* Traité d'architecture. Paris. fol. (238)
1826. *Matthews, H.* Observations on sound: the causes of its indistinctness in churches. . . etc., with a system for their construction. Also, Objections to vaults under churches. . . Added, Critical remarks on architecture. London. 8°. (18,557)
1827. *Vitry, U.* Le propriétaire architecte. Parties 1-2. [i. Modèles de constructions. ii. Traité d'architecture et de construction.] Paris. 4°. (14,508)
- 1829-31. *Valadier, G.* L'architettura pratica dettata nella scuola e cattedra nell' Accademia di S. Luca. Incisori G. Rocrué e I. E. Catesi. Roma. 2 vols. fol. (14,336)
1840. *Borgnis, G. A.* Traité élémentaire de construction appliquée à l'architecture civile. 3e éd. Liège. 4°. (9,017)
1842. *Donaldson, T. L.* Preliminary discourse upon the commencement of a series of lectures on architecture. London. 8°. (19,002)
- *Gwilt, J.* An encyclopædia of architecture, historical, theoretical, and practical. With supplement, 1851. [Including a chronological list of architects, a bibliography of architecture, and a glossary.] London. 8°. (1,095)
- *Hosking, W.* An introductory lecture on the principles and practice of architecture. Added, notes and further remarks on the modern practice of competition. London. 8°. (18,584)
1846. *Wightwick, G.* Hints to young architects. London. 8°. (1,008)
- Part iv. Model specification.
1850. *Smeaton, A. C.* The builder's pocket companion, containing the elements of building, surveying, and architecture. Philadelphia. 12°. (7,248)
1856. *Lafever, M.* The architectural instructor, containing a history of architecture. . . ; with designs of cottages, villas, and mansions. . . churches, monuments, and public buildings; together with a glossary of terms. New York. 4°. (4,239)
1857. *Toussaint de Sens, C. J.* Manuel d'architecture, ou traité de l'art de bâtir. Nouv. éd. [pp. 216-319 Vocabulaire.] Paris. 2 vols. 18°. (4,662)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(General treatises)*—*continued.*

1867. *Büchtes, F.* Materiale und Verfahrungsweisen für öffentliche Bauten und architektonische Arbeiten. *Paris Universal Exhibition, 1867; Austrian Comm. Berichte.* Heft iv. Theil i. 8°. (13,249)
- *Gwilt, J.* An encyclopædia of architecture, historical, theoretical, and practical. [Including a chronological list of architects, a bibliography of architecture, and a glossary.] New ed. by W. Papworth. London. 8°. (12,964)
1873. *Derby, N. S.* Report on architecture and the materials of construction. *Vienna Univ. Exhibition, 1873; U.S. Comm. Reports.* Vol. iv. 1875. 8°. (17,905)
- *Hutfield, R. G.* The American house-carpenter. [See. ii. Architecture. vii. Architectural drawing.] 7th ed. New York. 8°. (19,282)
1876. Report on architecture. *Philadelphia Intern. Exhibition, 1876; U.S. Centennial Comm. Reports and Awards.* Group xxvi. 1877. 8°. (9,713)
- 1877-81. *Viollat-le-Duc, E. E.* Lectures on architecture. From the French, by B. Bucknall. London. 2 vols. 8°. (21,425)
1881. *Gwilt, J.* An encyclopædia of architecture, historical, theoretical, and practical. [Including a chronological list of architects, a bibliography of architecture, and a glossary.] New ed. by W. Papworth. London. 8°. (20,621)
1884. *Rogers, F.* The architect's guide. 2nd ed. London. sm. 8°. (21,422)
- [1889.] *Labro, C., and others.* L'Architecture, etc., à l'Exposition [de Paris, 1889]. *Vigreux, C.* Revue technique, etc. Pt. 1. 8°. (21,983)
1893. *Grille, C. J. A., and Falconnet, H.* Revue technique de l'Exposition Universelle de Chicago en 1893. Partie i. Architecture. [Par] C. Labro. 1894. (23,823)

(Societies.)

- 1833-50. *Architekten-Verein zu Berlin.* Notizblatt. Potsdam. F 60: 833
- 1835, etc. *Royal Institute of British Architects.*
- Transactions. 1835-42. London. F 60: 835
- Papers. [Later, Transactions.] 1853-84. London. F 60: 835a
- Proceedings. [Later, Journal.] 1879, etc. London. F 60: 835b

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Societies)*—*continued.*

- 1866-86. *Liverpool Architectural, etc., Society.* Proceedings
Liverpool. F 60: 866
- 1870, etc. *American Institute of Architects.*
— Proceedings. 1870, etc. New York. F 60: 870
— Bulletin. 1900, etc. Washington, D.C. F 60: 870a
- 1883, etc. *Clerks of Works Association.* Journal. London.
F 60: 883
- 1887, etc. *National Association of Builders.* [Boston, Mass.]
— Reports. 1887, etc. Boston, Mass. F 60: 887
— Bulletin. 1894, etc. Boston, Mass. F 60: 887a
— *Architectural Association.* Notes. London. F 60: 887b
- 1887-90. *Institute of Builders.* Proceedings. London. F 60: 887c
- 1888, etc. *Society of Architects.* Proceedings. [Later, Journal.]
London. F 60: 888
— *Society of Estate Clerks of Works.* Journal. Winchester.
F 60: 888a
— *Edinburgh Architectural Association.* Transactions.
Edinburgh. F 60: 888b
- 1890, etc. *Sociedad Central de Arquitectos.*
— Revista. 1890, etc. Madrid. F 60: 890
— Resumen de Arquitectura, 1891, etc. Madrid.
F 60: 890a
- 1891-92. *Sydney Architectural Association.* Notes. Sydney.
F 60: 891

(Periodicals.)

- 1829-51. *Journal für die Baukunst.* Berlin. F 68: 829
- 1834-38. *Architectural Magazine.* London. F 68: 834
- 1840-95. *Revue générale de l'Architecture et des Travaux Publics.*
(Duly.) Paris. F 68: 840
- 1841, etc. *Zeitschrift für praktische Baukunst.* [Later, *Deutsches
Baugewerks-Blatt.*] Berlin. F 68/841
- 1843, etc. *Builder.* London. F 68: 843
- 1844-45. *Weale's Quarterly Papers on Architecture.* London.
F 68: 844

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Periodicals)*—*continued.*

- 1849-50. *Architect and Building Operative.* London. F 68 849
1851. *Architectural Quarterly Review.* London. F 68 : 851
- 1856, etc. *Building News and Engineering Journal.* London.
F 68 : 856
- 1857-68. *Bouwkunde.* [Later, *Bouwschool.*] Gorinchem.
F 68 : 857
- 1857, etc. *Zeitschrift für Bauhandwerker.* Braunschweig, etc.
F 68 857
- 1863-86. *Gazette des Architectes et du Bâtiment.* Paris.
F 68 863
- 1867, etc. *Deutsche Bauzeitung.* (1867. *Architekten - Verein.*
Wochenblatt.) Organ des Verbandes deutscher
Architekten- und Ingenieur- Vereine. Berlin.
F 68 : 867
- 1869, etc. *Architect.* London. F 68 : 869
- 1869-71. *Architectural Review.* (Sloan.) Philadelphia. F 68 : 869a
- 1874, etc. *British Architect.* Manchester, later, London. F 68 874
- 1876, etc. *American Architect and Building News.* Boston.
F 68 876
- 1876-98. *Semaine des Constructeurs.* (1895-97. *Semaine du*
Bâtiment.) Paris. F 68 876a
- 1881, etc. *Centralblatt der Bauverwaltung.* Berlin. F 68 881
- 1885, etc. *Scientific American.* Architect's and Builder's Edition.
New York. F 68 885
- 1886, etc. *Illustrated Carpenter and Builder.* Journal for archi-
tects, builders, joiners, decorators, painters,
plumbers, gasfitters, etc. F 75 886
- *Builder's Reporter and Engineering Times.* London.
F 68 886
- 1890, etc. *Schweizerische Bauzeitung.* Zürich. F 68 890
- 1891, etc. *Carpentry and Building.* New York. F 75 891
- 1898, etc. *Architectural Review.* London. F 68 898
- 1900, etc. *Architects' Magazine.* London. F 68 : 900

(Digests.)

- 1870-76. *Jahrbuch der praktischen Baugewerbe.* Leipzig.
F 70 : 870
- 1887-88. *Architects' Register.* London. F 70 : 887

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Historical and Æsthetic.)*

1739. *Gwynn, J.* An essay upon harmony as it relates to situation and building. London. 8°. (3,457)
1809. *Legrand, J. G.* Essai sur l'histoire générale de l'architecture. Pour servir de texte explicatif au Recueil et parallèle des édifices de tout genre, anciens et modernes, par J. N. L. Durand. Nouv. éd. Paris. 8°. (19,065)
- [1830 ?] *History and analysis of the principal styles of architecture. With a sketch of the architecture of England down to the present time. By an Amateur.* London. 12°. (7,159)
1833. *Dallaway, J.* A series of discourses upon architecture in England from the Norman era to Elizabeth. With historical account of master and free masons. London. 8°. (822)
1836. *Chambers, Sir W.* A treatise on the decorative part of civil architecture. 5th ed. Added, Notes and an essay on design in architecture, by J. B. Papworth. London. 4°. (2,588)
1837. *Gwilt, J.* Elements of architectural criticism. London. 8°. (13,851)
1840. *Hope, T.* An historical essay on architecture. Illustrated from drawings made in Italy and Germany. 3rd ed. London. 2 vols. 8°. (906)
- *Wightwick, G.* The palace of architecture. A romance of art and history. London. 4°. (913)
1847. *Donaldson, T. L.* Architectural maxims and theorems. [Part i. Fine art.] London. 8°. (1,014)
1849. *Bury, T. T.* Rudimentary architecture. The history . . . of architecture . . . from the earliest to the present period. London. 12°. (254)
- — Same. 4th ed. London. 1857. 12°. (2,909)
- *Fergusson, J.* An historical inquiry into the true principles of beauty in art, more especially with reference to architecture. Part i. London. 8°. (1,053)
1850. *Garbett, E. L.* Treatise on the principles of design in architecture. London. 12°. (267)
- [1853.] *Damman, A. W.* Chronik der Maurer und Steinmetzen. Nebst einer Uebersicht der Geschichte der Baukunst. *Berlepsch, H. A.* Chronik der Gewerke. Band 8. 8°. (7,233)

ARCHITECTURE AND BUILDING CONSTRUCTION---continued.

(Historical and Æsthetic)—continued.

1858. *Levy, E.* Étude philosophique sur l'architecture. *Acad. Roy. de Belgique: Mém. in 8°.* Vol. ix. B 22: 810
1860. *Aberdeen, Geo. Gordon, 4th Earl.* An inquiry into the principles of beauty in Grecian architecture; with historical view of the rise and progress of the art in Greece. London. 12°. (6,012)
1862. *Chambers, Sir W.* A treatise on the decorative part of civil architecture. With illustrations, notes, and an examination of Grecian architecture, by J. Gwilt. Revised, etc. by W. H. Leeds. London. 4°. (9,233)
- 1862-67. *Fergusson, J.* A history of architecture in all countries, from the earliest times to the present day. Vol. 1, Ancient and Christian. Vol. 2, Christian and Pagan. Vol. 3, Modern. London. 3 vols. 8°. (13,113)
1880. *Essenwein, A.* Allgemeine Hochbaukunde. Einleitung (Theoretische und historische Uebersicht.) *Durm, J.* Handbuch der Architektur. Theil i. Bd. 1. Abt. 1. 8°. (22,285)
- *School of Military Engineering, Chatham.* Lectures. Architecture: ancient, mediæval, and modern, by T. R. Smith. Chatham. 8°. (23,281)
1881. *Erdlitz, L.* The nature and function of art more especially of architecture. New York. 8°. (23,898)
1886. *Boileau, L. A.* Histoire critique de l'invention en architecture. Classification méthodique des œuvres d'art monumental. Paris. fol. (20,501)
1887. *Statham, H. H.* Elements of architectural design. *Society of Arts.* Cantor lectures. [Vol. 3.] B 51: 872.
1888. *Tarver, E. J.* Guide to the study of the history of architecture. London. 8°. (2,104)
1891. *Fergusson, J.* History of the modern styles of architecture. 3rd ed. by R. Kerr. London. 2 vols. 8°. (22,782)
- — History of Indian and Eastern architecture. London. 8°. (26,220)
1893. — History of Ancient and Mediæval architecture. 3rd ed. by R. P. Spiers. London. 2 vols. 8°. (26,298)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Historical and Æsthetic)*—*continued.*

1893. *Bühlmann, J.* Die Gestaltung der äusseren und der inneren Architektur. *Durm, J.* Handbuch der Architektur. 2te Aufl. Theil iv. Halb-Band I. 8°. (28,712)
- *Thiersch, A.* Die Proportionen in der Architektur. *Ibid.* Halb-Band I. (28,712)
- *Wagner, H.* Die Anlage des Gebäudes. Die architektonische Composition. Allgemeine Grundzüge. *Ibid.* (28,712)
1896. *Bühlmann, J.* Die Bauformenlehre. *Durm, J.* Handbuch der Architektur. Theil i. Bd. 2. 8°. (22,285)
- *Schubert von Soldern, Z. Ritter von.* Die Sprache des Ornaments. *Fortschritte a. d. G. der Architektur.* No. 9. F 70: 894.
1897. *Fletcher, B., and Fletcher, B. F.* A history of architecture . . . ; being a comparative view of the historical styles from the earliest period. 3rd ed. London. sm. 8°. (16,550)
- With a list of reference books to each section.
1899. *Longfellow, W. P. P.* The column and the arch. Essays on architectural history. London. 8°. (26,437)

(Descriptive.)

1812. *Ancient reliques ; or, delineations of monastic, castelated, and domestic architecture . . . with historical and descriptive sketches.* London. 12°. (3,802)
1824. *Carter, J.* Specimens of Gothic architecture and ancient buildings in England. London. 4 vols. 16°. (12,375)
1832. *Coney, J.* Engravings of ancient cathedrals, hotels de ville, and other public buildings of celebrity in France, Holland, Germany, and Italy. With illustrative descriptions [in four languages]. London. fol. (817)
1833. *Britton, J.* Historical and descriptive essays accompanying a series of engraved specimens of the architectural antiquities of Normandy [drawn by A. Pugin, and engraved by J. and J. H. Le Keux]. London. 4°. (825)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Descriptive)*—*continued.*

1838. *Wild, C.* Select examples of architectural grandeur in Belgium, Germany, and France . . . etched by Le Keux and others. London. fol. (888)
1842. *Prussia. Handels Ministerium.* Bauausführungen des Preussischen Staats. Berlin. 4 vols. fol. and 4°. (1,163)
1843. *Concy, J.* Beauties of Continental architecture. London. 4°. (1,096)
1845. *Wilkinson, G.* Practical geology and ancient architecture of Ireland. London. 8°. (991)
1854. *Petit, J. L.* Architectural studies in France. London. 8°. (4,174)
1877. *Nohl, M. A.* Tagebuch einer italienischen Reise. 2to Aull. Stuttgart. sm. 8°. (18,789)
Mainly descriptive of the architecture of Italy.
1881. *Twenty.* The twenty styles of architecture, illustrated by plates of the finest edifices of the world. By [Dr. W. Wood]. London. 8°. (19,391)

(Styles.—General treatises.)

- [1850?] *Clegg, S.* Lectures on architecture. London. 4°. (9,312)
1855. *Tarback, E. L.* A popular account of the styles of architecture: their rise, progress, and present condition. London. 8°. (18,871)
1891. *Barberot, E.* Histoire des styles d'architecture dans tous les pays depuis les temps anciens jusqu'à nos jours. Paris. 2 vols. 8°. (23,399)

(— Egyptian.)

1854. *Crystal Palace Co.* Description of the Egyptian Court erected in the Crystal Palace. By O. Jones and J. Bonomi. With historical notice of the monuments of Egypt, by S. Sharpe. Sydenham. sm. 8°. (15,298)

(— Assyrian.)

1854. *Crystal Palace Co.* The Nineveh court in the Crystal Palace. By A. H. Layard. Sydenham. sm. 8°. (15,296)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*(Styles.—*Etruscan.*)

1885. *Durm, J.* Die Baukunst der Etrusker. *Durm, J.* Handbuch der Architektur. Theil ii. Bd. 2. 8°. (22,285)

(— *Classic.*)

1794. *Rudiments* of ancient architecture, containing an historical account of the five orders, etc. With a dictionary of terms. 2nd ed. London. 4°. (3,713)
1854. *Crystal Palace Co.* The Greek court erected in the Crystal Palace by O. Jones. Described by G. Scharf. Sydenham. sm. 8°. (15,299)
- — An apology for the colouring of the Greek court in the Crystal Palace. By O. Jones. Sydenham. sm. 8°. (15,300)
- — The Roman court (including the antique sculptures in the nave) erected in the Crystal Palace by O. Jones. Described by G. Scharf. Sydenham. sm. 8°. (15,301)
1875. *Blocht, E.* Die Griechisch-Dorische Architektur. Leipzig. sm. 8°. (8,207)
1881. *Durm, J.* Die Baukunst der Griechen. *Durm, J.* Handbuch der Architektur. Theil ii. Bd. 1. 8°. (22,285)
1885. — Die Baukunst der Römer. *Ibid.* Theil ii. Bd. 2. 8°. (22,285)

(— *The Orders.*)

- [1563.] *Vignola, G. Barozzi da.* Vignola, or the compleat architect. Translated [from the Italian] by J. Moxon. 2nd ed. London, 1665. 8°. (3,166)
- — Règles des cinq ordres d'architecture. Nouv. éd. Paris, 1747. 4°. (8,845)
- — The five orders of architecture. Edited and transl. by A. L. Tuckerman. New York, 1891. 4°. (23,490)
1746. *Palladio, A.* Delli cinque ordini di architettura. Venezia. sm. 4°. (18,988)
1854. *Leeds, W. H.* Rudimentary architecture. The orders, and their æsthetic principles. 3rd ed. London. 12°. (2,826)
- pp. 123-139, Glossarial index.
1893. *Spiers, R. P.* The orders of architecture, Greek, Roman, and Italian. 2nd ed. London. fol. (23,715)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Styles.—Byzantine.)*

1854. *Crystal Palace Co.* The Byzantine and Romanesque court in the Crystal Palace. Described by M. D. Wyatt and J. B. Waring. Sydenham. sm. 8°. (15,297)
1886. *Essenwein, A.* Die Ausgänge der classischen Baukunst (Christlicher Kirchenbau). Die Fortsetzung der classischen Baukunst im oströmischen Reiche. [Byzantinische Baukunst.] *Durm, J.* Handbuch der Architektur. Theil ii. Bd. 3. Abt. 1. 8°. (22,285)

(— Mohammedan.)

1887. *Franz-Pascha, J.* Die Baukunst des Islam. *Durm, J.* Handbuch der Architektur. Theil ii. Bd. 3. Abt. 2. (22,285)

(— Mediæval.)

1824. *Wiebeking, A. F. von.* Mémoire sur l'état de l'architecture civile dans le moyen âge. [Reprint.] Munich. 4°. (11,757)
1835. *Willis, R.* Remarks on the architecture of the middle ages, especially of Italy. Cambridge. 8°. (2,585)
1848. *Rickman, T.* An attempt to discriminate the styles of architecture in England, from the Conquest to the Reformation. 5th ed. London. 8°. (2,704)
1850. *Inkersley, T.* An inquiry into the chronological succession of the styles of Romanesque and pointed architecture in France. London. 8°. (2,744)
1854. *Crystal Palace Co.* The Mediæval court in the Crystal Palace. Described by M. D. Wyatt and J. B. Waring. Sydenham. sm. 8°. (15,302)
1874. *Street, G. E.* Brick and marble [architecture] in the Middle Ages. Notes of tours in the north of Italy. 2nd ed. London. 8°. (19,802)
1889. *Essenwein, A.* Die romanische und die gothische Baukunst. Die Kriegsbaukunst. *Durm, J.* Handbuch der Architektur. Theil ii. Bd. 4. Heft 1. 8°. (22,285)
1892. — Die romanische und die gothische Baukunst. Der Wohnbau. *Ibid.* Theil ii. Bd. 4. Heft 2. 8°. (22,285)
1902. *Hasak, M.* Die romanische und gothische Baukunst. Der Kirchenbau. *Ibid.* Theil ii. Bd. 4. Heft 3. 8°. (22,285)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.**(Styles.—Gothic.)*

1800. *Warton, T., and others.* Essays on Gothic architecture. London. 8°. (11,672)
1810. *Kerrich, T.* Observations on the Gothic buildings abroad, particularly those in Italy; and on Gothic architecture in general. (Excerpt.) London. 4°. (18,535)
- 1821-22. *Pugin, A. C.* Specimens of Gothic architecture from various ancient edifices in England. With historical and descriptive accounts by E. J. Willson. With a glossary of terms. London. 2 vols. 4°. (713)
1824. *Moller, G.* An essay on the origin and progress of Gothic architecture. London. 8°. (2,487)
- 1838-39. *Pugin, A. C.* Examples of Gothic architecture, selected from edifices in England. The literary part by E. J. Willson. Vol. 2 by A. and A. W. Pugin. Vol. 3 by A. W. Pugin and T. L. Walker. London. 3 vols. 4°. (882) *Vol. 1 is of the 2nd ed.*
1842. *Kendall, J.* An elucidation of English (Gothic) architecture. London. 8°. (934)
1848. *Baker, A.* [Lecture] On the rudiments of Gothic architecture. Aylesbury. sm. 8°. (18,612)
1855. *Grimthorpe, E. B. Denison, Baron.* Lectures on Gothic architecture, chiefly in relation to St. George's Church at Doncaster. Doncaster. 8°. (2,855)
1886. *Parkes, S. T. H.* A short study in Gothic architecture. London. sm. 8°. (20,856)
1890. *Moore, C. H.* Development and character of Gothic architecture. London. 8°. (22,203)

(— Renaissance.)

1854. *Crystal Palace Co.* The Renaissance court in the Crystal Palace. Described by M. D. Wyatt and J. B. Waring. Sydenham. sm. 8°. (15,303)
1897. *Blomfield, R.* A history of Renaissance architecture in England, 1500-1800. London. 2 vols. 1. 8°. (26,294)
 With chapters on architectural literature, carpentry and masonry, brickwork, plasterwork, lead, and iron of the same period.
1898. *Geymüller, H., Baron von.* Die Baukunst der Renaissance in Frankreich. Historische Darstellung der Entwicklung des Baustils. *Durm, J* Handbuch der Architektur. Theil ii. Bd. 6. Heft 1. 8°. (22,285)

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*(Styles.— *Renaissance*)—*continued.*

1900. *Bezold, G. von.* Die Baukunst der Renaissance in Deutschland Holland, Belgien und Dänemark. *Durm, J.* Handbuch der Architektur, Theil ii. Bd. 7. 8°. (22,285)
1901. *Geymüller, H. von.* Die Baukunst der Renaissance in Frankreich. Strukture und ästhetische Stilrichtungen. Kirchliche Baukunst. *Ibid.* Theil ii. Bd. 8. Heft 2. 8°. (22,285)
- [1902] 1903. *Durm, J.* Die Baukunst der Renaissance in Italien. *Ibid.* Theil ii Bd. 5. 8°. (22,285)

(— *Tudor.*)

1836. *Hunt, T. K.* Exemplars of Tudor architecture, adapted to modern habitations, etc. London. 4°. (848)
1839. *Shaw, H.* Details of Elizabethan architecture. London. 4°. (839)

(— *Modern.*)

- [1715-]1731. *Campbell, C.* Vitruvius Britannicus: or, the British Architect, containing plans of buildings in Great Britain, with new designs. (In Engl. and Fr.) London. 3 vols. 1. fol. (29,320)
- [1890-91.] *Lambert, —, and Stahl, —.* Moderne Architektur. Stuttgart. fol. (22,587)
1897. *Statham, H. H.* Modern architecture. London. 8°. (11,213)
- 1898-1902. *American Architect and Building News.* "The Georgian Period," being measured drawings of Colonial work. [Boston, Mass.] 3 vols. fol. (27,004)

(— *Oriental.*)

1885. *De Forest, L.* Indian domestic architecture. Boston, Mass. 4°. (5,038)

Armoured cements and concretes. *See* Cements, Building (*Armoured cements*).

Art galleries. *See* Museums and art galleries.

Art schools. *See* Educational buildings.

Artificial stone. *See* Stone, Artificial.

Artisans' dwellings. *See* Workmen's dwellings and tenement buildings.

ASYLUMS.

1894. *Lunacy Commission*. Suggestions and instructions in reference to sites, construction, etc., of lunatic asylums. London. 8°. (24,462)

BAKEWELL CHURCH.

1851. *Plumptre, F. C.* An account of the parish church of Bakewell, in Derbyshire, etc. Bakewell. 8°. (6,229)

BALCONIES.

1891. *Ewerbeck, F.*, and *Schmitt, E.* Einfriedigungen, Brüstungen und Geländer; Balcons, Altane und Erker. *Durm, J.* Handbuch der Architektur. Theil iii. Bd 2. Heft 2. 8°. (22,285)

Balusters. *See* Stair-building, etc.

BAND-STANDS.

1885. *Lieblein, J.* Orchester-Pavillons. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)

Banks. *See* Mercantile buildings.

Barracks. *See* Military architecture (*Barracks*).

BATHS AND WASH-HOUSES, PUBLIC.

1852. *Baly, P. P.* Baths and washhouses for the labouring classes. London. 4°. (2,917)
1882. *Renk, F.* Oeffentliche Bäder. *Pettenkofer, M. von.*, and *Ziemssen, H. von.* Handbuch der Hygiene, etc. Theil ii. Abt. 2. 8°. (20,988)
1887. *Osthoff, G.* Die Bäder und Bade-Anstalten der Neuzeit. Leipzig. sm. 8°. (22,969)
1888. *Lassar, O.* Über Volksbäder. 2te Aufl. Braunschweig. 8°. (22,947)

BATHS AND WASH-HOUSES, PUBLIC—*continued.*

1889. *Turner, E.* Report . . . on public baths and wash-houses. *Paris Exhibition, 1889.* London. 4°. (10,013)
1894. *Allsop, R. O.* Public baths and wash-houses. London. 8°. (26,314)
- *Schultze, R.* Volks- und Hausbäder. *Weyl, T.* Handbuch der Hygiene. Band vi. Heft 2. 8°. (24,547)
1897. *Oslender, A.* Schulbrausebäder mit bes. Berücksicht. der Kölner Systems. München. 8°. (26,870)
- *Wolff, C.* Das städtische Schwimmbad zu Frankfurt a. M. *Fortschritte a. d. G., der Architektur.* No. 11. F 70: 894
1899. *Genzmer, F.* Bade- und Schwimm-Anstalten. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 5. Heft 3. 8°. (22,285)
1900. Wasch- und Desinfections-Anstalten. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 5. Heft 4. 8°. (22,285)

Bazaars. *See* Mercantile buildings.

BRICK ARCHITECTURE.

1803. *Tatham, W.* Circular Architecture. [No. I. only.] Being a new method of building, according to . . . the invention . . . of "Tatham's Clumps." [Letters Patent No. 2,672 of 1802.] London. 8°. (27,798)
- 1862, etc. *Adler, F.* Mittelalterliche Backstein-Bauwerke des Preussischen Staates. Berlin. fol. 2 vols. (9,508)
1874. *Street, G. E.* Brick and marble [architecture] in the Middle Ages. Notes of tours in the North of Italy. 2nd ed. London. 8°. (19,802)
1881. *Chabat, P.* La brique et la terre cuite. Étude historique de l'emploi des ces matériaux; fabrication et usages; motifs de construction, etc. Avec la collaboration de F. Monmorv. Paris. fol. (21,407)
1891. *Liebold, B.* Ziegelrohbau. Sammlung von Façaden, etc. 3te Aufl. Holzminden. sm. 8°. (11,928)
1901. *Schattburg, J. II.* Der Ziegelrohbau in seinen verschiedenen charakteristischen Erscheinungsweisen. 2te Aufl. Halle. fol. (27,995)

Bricklaying. *See* Brickwork.

BRICKS AND TILES.

(Patent literature.)

- [1897.] *Faugé frères*. Céramique — briques et tuiles. Brevets d'invention. Année 1893. Paris. 4°. lithogr. (21,052)

(History.)

1892. *Morse, E. S.* On the older forms of terra-cotta roofing tiles. (Reprint.) Salem, Mass. 8°. (4,316)

(General treatises.)

1763. *Duhamel du Monceau, H. L., and others.* L'art du tuilier et du briquetier. *Acad. des Sciences, Paris.* Description des Arts et Métiers, etc. Vol. v. (2,192)
1767. *Jars, G.* Art de fabriquer la brique et la tuile en Hollande, etc. (Suite à "L'art du tuilier, etc.," par Duhamel, Fourcroy, et Gallon), 1763. *Ibid.* (2,192)
1834. *Bakewell, S. R.* Observations on building and brick-making. [With] testimonials in behalf of [his] brick-making machines. (Letters Patent No. 5,985 of 1830.) Manchester 12°. (124)
1845. *Clarke, H.* On the manufacture of bricks and tiles in Holland. *Weale, J.* Quarterly Papers on Engineering. Vol. 3. E 20: 844
1850. *Dobson, E.* A treatise on the manufacture of bricks and tiles. London. 2 vols. in one. 12°. (261)
1861. *Challeton de Brughat, F.* L'art du briquetier. Paris. 2 vols. 8°. (19,130)
1862. *Schaller, P.* Der praktische Ziegler, etc. 5te Aufl. von F. Neumann. Mit Atlas. Weimar. 12°. (6,592)
1867. *Bonneville, P.* Fabrication des briques et des tuiles. *Laeroix, E.* Etudes sur l'Exposition de 1867. Vol. 7. 8° (13,101)
- *Bonneville, P., and others.* La fabrication des briques et des tuiles, etc. Paris. 1880. 8°. (19,135)
A reissue of preceding work.
- *Cooper, S.* Tiles and pavements. *Society of Arts* Report of Artisans. . . Paris Universal Exhibition, 1867. 8°. (13,277)

BRICKS AND TILES—continued.

(General treatises)—continued.

- [187?] *Guthrie, H.* Guthrie's patent [moulding] machinery and [gas-producer ring] kilns for the manufacture of bricks, tiles, etc. Manchester. 8°. (28,099)
1876. *Gillmore, Q. A.* Brick-making machinery, brick-kilns, perforated and enameled bricks and pavements. 1877. *Philadelphia International Exhibition, 1876: U.S. Centennial Comm. Reports and Awards. Group ii.* 8°. (9,713)
1877. *Rühne, J. F.* Lehrbuch der . . . Ziegelfabrikation. *Otto, F. J.* Lehrbuch der landwirthschaftlichen Gewerbe. 7te Aufl. Theil xiii. 8°. (17,989)
- — Same. Another copy. Braunschweig. 1877. 8°. (21,965)
1878. *Coasté, J.* Rapport sur le matériel et les procédés de la confection des objets de mobilier et d'habitation [produits céramiques]. *Paris Universal Exhibition, 1878: Min. de l'Agriculture, etc. Rapports. Classe 59.* 1881. 8°. (25,811)
- *Zurck, H.* Die Natur der Ziegelthone und die Ziegel-Fabrikation der Gegenwart. Wien. 16°. (18,782)
1884. *Davis, C. T.* A practical treatise on the manufacture of bricks, tiles, terra-cotta, etc. Philadelphia. 8°. (10,823)
- *Eckhart, A.* Die Technik des Verblendsteins. Theil i. and ii. Halle. 2 vols in one. sm. 8°. (9,458)
1886. *Dobson, E., and others.* Practical brick and tile book. 3 vols. in one. i. Manufacture of bricks and tiles. By E. Dobson. 8th ed. London. 12°. (21,420)
- *Johnson, W.* Lecture on brick-making machinery and bricks. (Excerpt.) London. 12°. (19,911)
- *Lejeune, E.* Guide du briquetier, du fabricant de tuiles, carreaux, tuyaux, etc. 2e éd. Paris. sm. 8°. (19,629)
- 1889 *Broske, J.* Tile and mosaic working. *Manston House Committee: Reports of Artisans, Paris Exhibition, 1889.* 8°. (25,318)
- *Wools, H. D.* Report on bricks and tiles, and machinery for their manufacture. *Paris Universal Exhibition, 1889: U.S. Comm. Reports. Vol 3* 1891. 8°. (8,243)

BRICKS AND TILES—*continued.**(General treatises)*—*continued.*

- [1890.] *Crary, J. W.* Sixty years a brickmaker. Treatise on brickmaking and burning. Indianapolis. sm. 8°. (22,898)
1890. *Morrison, R. B.* Brickmakers' manual. With additions, by J. A. Reep. Indianapolis. 8°. (22,903)
- 1891-92. *Heusinger von Waldegg, E.* Die Ziegel-, Röhren- und Kalkbrennerei. 4te Aufl. von P. Kayser. Leipzig. 2 vols. 8°. (22,940)
1893. *Bock, O.* Die Ziegelei. Berlin. sm. 8°. (23,952)
1894. *Dümmler, K.* Die Ziegel- und Thonwaaren-Industrie in den Vereinigten Staaten und auf der Columbus-Weltausstellung in Chicago, 1893. Halle a. S. 4°. (24,344)
- *Schaller, P.* Die Ziegelfabrikation. 8te Aufl. von Neumann's [P. Schaller's] Ziegelfabrikation. Von O. Bock. Weimar. 8°. and fol. atlas. (23,768)
- *Zwick, H.* Die Natur der Ziegelthone und die Ziegel-Fabrikation der Gegenwart. 2te Aufl. Wien. sm. 8°. (26,975)
1895. *Davis, C. T.* A practical treatise on the manufacture of bricks, tiles, terra-cotta, etc. 3rd ed. Philadelphia. 8°. (24,826)
- 1897-1900. *Dümmler, K.* Handbuch der Ziegel-Fabrikation. Unter Mitwirkung von F. Hoffmann. Halle a. S. 8°. (10,662)
1897. *Harris, G. F.* The science of brickmaking, with some account of the structure and physical properties of bricks. London. sm. 8°. (25,713)
- *Lefèvre, L.* La céramique du bâtiment: briques, tuiles, tuyaux, terres cuites émaillées, carreaux, etc. Paris. 8°. (6,622)
- — Architectural pottery. From the French. London, 1900. 8°. (27,644)
1899. *Buchholz, P.* Die Fabrikation der Dachfalzziegel. Berlin. sm. 8°. (27,068)
- 1901, etc. *Heusinger von Waldegg, E.* Die Ziegel-, Röhren- und Kalk-brennerei. 5te Aufl. von L. Schmelzer. Theil i. Die Ziegel- und Röhren-Brennerei. Leipzig. 8°. (27,925)
1902. *Brown, A. E.* Hand brickmaking, London. sm. 8°. (29,361)

BRICKS AND TILES—*continued.**(Drying.)*

1902. *Brown, A. E.* Brick drying. London. 16°. (29,300)

(Prevention of accidents in manufacture.)

1895. *Wahlen, C.* Die Vorkehrungen zur Unfallverhütung in den Betrieben der Ziegelei-Berufsgenossenschaft. Berlin. 8°. (26,372)

(Art tiles.)

1859. *Amé, E.* Les carrelages émaillés du Moyen-Age et de la Renaissance; précédés de l'histoire des anciens pavages: mosaïque, labyrinthes, dalles incrustées. Paris. 4°. (7,318)

(Glazed.)

1894. *British Clay Worker.* The manufacture of glazed bricks and glazed sanitary ware. [By H. Ansell.] London. sm. 8°. (24,380)
1898. *Ansell, H.* The manufacture of glazed bricks and glazed sanitary ware. 2nd ed. London. sm. 8°. (25,815)

(Ventilating.)

1825. *Burridge, J.* Improvements in civil architecture. [Descriptive of his ventilating-bricks; Letters Patent No. 5184 of 1825.] London. 8°. (2,494)

(Periodicals.)

- 1887, etc. *Clayworker.* Indianapolis. K 71: 887
- 1888, etc. *National Brick Manufacturers' Association Reports.* Indianapolis. K 71: 883 a
- 1892, etc. *British Clay-worker.* London. K 71: 892

Incorporating, after September, 1893, the "Potter."

BRICKWORK

1700. *Moxon, J.* Mechanick exercises, or the doctrine of handy-works. [Vol. iii. No. 1.] Applied to the art of bricklayers-works. London. sm. 4°. (410)
3rd ed. [of vols. 1 and 3]. 1703. (413)
1749. *Langley, B.* The London prices of bricklayers materials and works. London. 8°. (3,495)
1805. *Observations* on brick bond, as practised at various periods. [By G. Saunders.] London. 8°. (12,316)
1809. *Dearn, T. D. W.* The bricklayer's guide to the mensuration of all sorts of brick-work. London. 8°. (651)
1821. — Hints on an improved method of building. Added, observations on the use of sandstone and brick. London. 8°. (9,476)
1828. *Hitch, C.* Description of his method of constructing buildings and walls. [Letters Patent No. 5616 of 1828.] London. 8°. (15,953)
1867. *Howell, G., and Jeffery, J.* Bricklaying. (2 reports.) *Society of Arts.* Reports of Artisans . . . Paris Universal Exhibition, 1867. 8°. (13,277)
1878. *Berry, G. M.* Bricklaying. *Society of Arts.* Artisan Reports on the Paris Universal Exhibition, 1878. 8°. 1879. (18,854)
- 1885-87. *Dobson, E., and others.* Practical brick and tile book. 3 vols. in one. ii. Bricklaying. By A. Hammond. 6th ed. 1887. iii. Brickwork. By F. Walker. 2nd ed. 1885. London. 12°. (21,420)
1889. *Pettit, G. M.* Bricklaying. *Mansion House Committee.* Reports of Artisans, Paris Exhibition, 1889. 8°. (25,318)
- [1899-1900.] *Maginnis, O. B.* Bricklaying [including shoring, needling, and underpinning]. New York. 8°. (27,809)
1901. *Richards, H. W.* Bricklaying and brick-cutting. London. 8°. (28,619)

Brickwork, Preserving. *See* Stone, Preserving.

Bridge chapels. *See* Chapels, Bridge, etc.

Bridges, Centering. *See* Arches and vaulting (*Centering and decentering*).

BUILDING CONSTRUCTION.

(General treatises.)

1783. *Lucotte, J. R.* L'art de la maçonnerie. *Acad. des Sciences, Paris.* Description des Arts et Métiers. Vol. xxvii. fol. (2,192)
1821. *Sganzin, J.* Programmes ou résumés des leçons d'un cours de construction, etc. 3e éd. Paris. 4°. (7,136)
1847. *Donaldson, T. L.* Architectural maxims and theorems. [Part ii. Construction.] London. 8°. (1,014)
1852. *Nicholson, P.* Practical masonry, bricklaying, and plastering; including the formation of mortars and cements; also, treatises on slating, plumbing, glazing, painting, etc. [New ed.] London. [Reprinted.] 4°. (19,875)
- Notes on building and road-making, etc. [Chap. ii. Materials used in building. iii. Masonry. iv. Foundations. v. Roofs. Appendix. Building data, etc., and Glossary of Indian terms.] 2nd ed. Madras. 8°. (16,308)
1853. *Toussaint de Sens, C. J.* Manuel du maçon-plâtrier, du carreleur, du couvreur et du paveur [pp. 157-289. Vocabulaire.] Nouv. éd. Paris. 18°. (4,590)
1854. *Dobson, E.* Rudiments of the art of building. 2nd ed. [Sect. i. General principles of construction. ii. Materials used in building. iii. Strength of materials. iv. Use of materials. v. Working drawings, specifications, and estimates.] London. 12°. (2,825)
- [1859-62.] *Robson, R.* The mason's, bricklayer's, plasterer's and decorator's practical guide. Edited by R. Robson. London. 4°. (19,874)
1859. *Thomason Civil Engineering College, Roorkee.* Papers. No. vi. Construction of buildings. [By J. R. O.] Roorkee. 8°. (13,7,5)
1861. *Fenwick, S.* The mechanics of construction; including the theories of the strength of materials, roofs, arches, and suspension bridges. London. 8°. (9,664)
1863. *School of Military Engineering, Chatham.* Lectures. Problems in the mechanical principles of construction. By H. Moseley. 8°. (23,273)
- *Storm van's Gravesande, C. M.* Handlsiding tot de Kennis der burgerlijke en militaire Bouwkunst, voor de Kadetten der Genie. Derde Druk. Breda. 2 vols. sm. 8°. and fol. atlas. (16,072)

BUILDING CONSTRUCTION—continued.

(General treatises)—continued.

1867. *Viollet-le-Duc, E. E.* Matériel des travaux du génie civil et de l'architecture. *Paris Universal Exhibition, 1867.* Rapports du Jury International Classe 65, Sect. iii. 1868. 8°. (13,828)
- 1875-91. *Notes* on building construction, arranged to meet the requirements of the Science and Art Dept., S. Kensington. Pt. 1. Elementary. 2. Advanced. 3. Materials. 4. Calculations for building structures. London. 4 vols. 8°. (17,288)
1876. *Jeep, W.* Die Baumechanik. Heft i.-v. Leipzig sm. 8°. (12,688)
1878. *Husson, F.* La construction. Outillage et procédés des différents Corps d'État. *Lacroix, E.* Études sur l'Exposition de 1878. Vol. vii. 8°. (1,177)
1879. *Holzhey, E.* Vorträge über Baumechanik. Wien. 2 vols. in one. 8°. (21,685)
- 1880-90. *Gottgetreu, R.* Lehrbuch der Hochbau-Konstruktionen.
 Theil i. Stein-Konstruktionen.
 „ ii. Holz-Konstruktionen.
 „ iii. Eisen-Konstruktionen.
 „ iv.,v. Der innere Ausbau.
 Berlin. 4 vols. 8° and fol. atlas. (7,540)
- 1880-93. *Ott, K. von.* Vorträge über Baumechanik, gehalten an der K. K. Deutschen technischen Hochschule in Prag.
 Theil i. Die Statik des Erdbaues, der Stützmauren und Gewölbe. 3te Aufl. 1888.
 „ ii. Lief. 1. Die Zug-, Druck-, Schub- und Biegefestigkeit. 2te Aufl. 1880.
 „ ii. Lief. 2. Die kontinuierlichen Gelenkträger, etc. 2te Aufl. 1891.
 „ iii. Die neue Brückenverordnung, die Prüfung der Baumaterialien, etc. 1893.
 Prag. 8°. (23,336)
- [1880 ?] *Rebollo, J. A.* Traité général de construction. Paris. 8° and 4° atlas. (19,145)
- 1880-85. *Wanderley, G.* Traité pratique de constructions civiles. Traduit de l'Allemand par A. Bieber.
 Vol. i. Le fer dans la construction.
 „ ii. La pierre et la brique.
 „ iii. Le bois dans la construction.
 Paris. 3 vols. 8°. (5,602)

BUILDING CONSTRUCTION—continued.

(General treatises)—continued

1880. *War Office*. Some applications of theory to the practice of construction, being part of the course of instruction at the School of Military Engineering, Chatham. By Col. H. Wray. London. 8°. (20,259)
- 1881-94. *Breymann, G. S.* Allgemeine Bau-Constructions-Lehre mit bes. Beziehung auf das Hochbauwesen. Neu bearbeitet von H. Lang [and others]. Theil i.-iii. 5te Aufl. Theil iv. 3te Aufl.
- Theil i. Constructionen in Stein. 1881.
 „ ii. Constructionen in Holz. 1885.
 „ iii. Constructionen in Eisen. 1890.
 „ iv. Verschiedene Constructionen, insbesondere Feuerungs- und Lüftungs-, Gas-, Wasser- und Telegraphen-Anlagen. Grundbau. Mit einem Anhang: Die Bauführung. 1894.
- Leipzig. 4 vols. 4°. (23,303)
1882. *Tarn, E. W.* The science of building: an elementary treatise on the principles of construction. 2nd ed. London. 8m. 8°. (19,599)
1883. *Prud'homme, L.* Cours pratique de construction. 3e éd. Paris. 2 vols. in one. 8°. (20,918)
- 1884-93. *Baukunde des Architekten*. Band i. Theil 1. 3te Aufl. Theil 2. [xi. Gas-Einrichtungen für Beleuchtung und Heizung. xix. Aufzüge.] Band ii. [Gebäudekunde.] Berlin. 2 vols. in three. 8°. (23,878)
- Forms Abt. ii. of *Handbuch der Baukunde*.
1886. *Müller-Breslau, H. F. B.* Die neueren Methoden der Festigkeitslehre und der Statik der Baukonstruktion. Leipzig. 8°. (21,025)
- *Seddon, H. C.* Builder's work and the building trades. London. 8°. (19,858)
1887. *Handbuch der Baukunde*. Abt. i. Hilfswissenschaften.
- Bd. 1. Heft i. Bauführung. Baurechts- und Baupolizei-Wissenschaften.
 „ „ ii. Perspektive. Mathematik.
 „ „ iii. Technische Mechanik. Mechanik der Wärme.
 „ „ iv. Physik. Lichtpaus-Verfahren.
- Bd. 2. Heft i. Eisen und Eisenkonstruktionen.
- For Abt. ii. see *Baukunde des Architekten*, Berlin. 8°. (22,321)

BUILDING CONSTRUCTION—continued.

(General treatises)—continued.

- 1888-94. *Mitchell, C. F.* Building construction and drawing. Pt. i. First stage or elementary course. Part ii. Advanced and honours courses. London. 2 vols. sm. 8° and fol. atlas of 40 plates. (21,581)
1889. *Matériel et procédés du génie civil, des travaux publics et de l'architecture. Paris Univ. Exhibition, 1889. Rapports du Jury. Classe 63. 1892. 8°.* (26,673)
- *Landsberg, T.* Die Statik der Hochbau-Constructionen. *Durm, J.* Handbuch der Architektur. 2te Aufl. Theil i. Bd. 1. Abt. 2. 8°. (28,712)
- *Notes on building construction, arranged to meet the requirements of the Science and Art Dept., S. Kensington. Part iii. Materials. 2nd ed. London. 8°.* (21,862)
- 1889-92. *Berg, L. de C.* Safe building: the practical and theoretical rules, etc., used in the construction of buildings. Boston, Mass. 2 vols. 8°. (22,038)
1891. *Denfer, J.* Maçonnerie. [Contains:—Construction in brick and stone; foundations; exterior and interior decoration and paving; building-materials.] Paris. 2 vols. 8°. (24,486)
- *Diesener, H.* Die Festigkeitslehre und die Statik im Hochbau. 2te Aufl. Halle. 8°. (23,307)
- *Notes on building construction, arranged to meet the requirements of the Science and Art Dept., S. Kensington. Part ii. Advanced course. New [4th] ed. London. 8°.* (28,163)
- [1891.] *Testi, L.* L'arte del fabbricare. Parte la e 2a. Roma. 2 vols. fol. (23,472)
1893. *Allen, J. P.* Practical building construction. London. 8°. (23,625)
1894. *Adams, H.* Building construction. London. 8°. (6,168)
- 1895-96. *Baukunde des Architekten. 4te Aufl. Band i. Theil 1. Der Aufbau der Gebäude. Theil 2. Der Ausbau der Gebäude. [x. Beleuchtung. xi. Aufzüge.] Berlin. 2 vols. 8°.* (11,817)
- Forms Abt. ii. of Handbuch der Baukunde.
1895. *Viollet-le-Duc, E. E.* Rational building. Translation of the article "Construction" in the "Dict. raisonné de l'Architecture Française," by G. M. Huss. New York. 8°. (25,278)

BUILDING CONSTRUCTION—*continued.**(General treatises)*—*continued.*

1896. *Lange, W.* Konstruktive Neuerungen aus dem Gebiete des Hochbauwesens. Bremen. 4°. (25,211)
- 1897-98. *Monerie, G. K. Scott.* The principles of structural design. Chatham. 2 vols 8°. (10,288)
1898. *Langlois, L.* Constructions civiles. Batiments. Charpentes en Fer. *Soc. des Ingénieurs Civils de France.* Cinquantenaire, 1848-98. Sect. i. 8°. (25,183)
- 1901, etc. *Müller-Breslau, H. F. B.* Die graphische Statik für Baukonstruktionen. 3te Aufl. Leipzig. 8°. (29,132) *In progress.*
1901. *Notes on building construction, arranged to meet the requirements of the Board of Education, S. Kensington.* New [5th] ed. Part i. Elementary. London. 8°. (28,268)

(Pocket-books.)

1882. *Adler, G.* Der Architekt und Maurermeister. Leipzig. sm. 8°. (11,093)
- — Der Zimmermeister und Bau-Unternehmer. Leipzig. sm. 8°. (13,525)
- [1883.] *Sylvester, W. A.* Modern house-carpenter's companion and builder's guide; giving . . . information for . . . builders and contractors in making estimates; . . . strength of materials; . . . several plans for houses; and a glossary of terms used in architecture and carpentry. New York. sm. 8°. (23,389)
1885. *Kilder, F. B.* The architect's and builder's pocket-book. New York. sm. 8°. (19,838)
- *Mathews, J. D.* The architects' and surveyors' handbook and illustrated catalogue of materials and manufactures. London. 8°. (10,839)
1887. *Spon, E., and Spon, F. V.* Architects' and builders' pocket-book of memoranda and prices. 11th ed. by W. Young. London, 1887. obl. 32°. (20,683)
1892. *Peoples, W.* Pocket stair builder, etc. With excavators', stone and brick masons', plasterers', and carpenters' memoranda: . . . miscellaneous information useful in the practice of the architect and builder; together with a glossary of architectural terms, etc. Pittsburgh. 8°. (21,354)

BUILDING CONSTRUCTION—*continued.**(Specifications ; Valuation ; Superintendence ; Inspection.)*

- [1720?] *Salmon, W.* The country builder's estimator ; or the architect's companion. London. 12°. (2,091)
1734. *Builder.* The builder's dictionary, or gentleman and architect's companion. Explaining the terms of art in architecture ; also necessary problems in arithmetic, etc. ; together with quantities and prices of materials used in building ; rules for valuation, etc. London. 2 vols. 8°. (13,413)
1736. *Neve, R.* The city and country purchaser's and builder's dictionary. Containing quantities and value of materials ; measuring artificers' work ; estimates ; valuation, etc. 3rd ed. London. 8°. (3,445)
1813. *Humphreys, T.* The Irish builder's guide, exhibiting the valuation of buildings throughout Ireland. Dublin. 12°. (15,728)
1840. *Eartholomew, A.* Specifications for practical architecture, preceded by an essay on the decline of excellence in the structure and science of modern English buildings, etc. London. 8°. (912)
- Chap. xxiii., Pt. I., contains a list of books under authors' names recommended for the use of the practical architect, with comment upon each work.
1843. *Dobson, E.* Student's guide to the practice of measuring and valuing artificers' work. London. 8°. (14,049)
1853. *Lebossu, —.* Manuel du métreur et du vérificateur en bâtimens, etc. 2e partie : Menuiserie, peinture, etc. Nouv. éd. Paris. 12°. (4,603)
1859. *Donaldson, T. L.* Handbook of specifications. With a review of the law of contracts, etc., by W. C. Glen. Parts 1 and 2. London. 2 vols. 8°. (14,948)
- *Reid, J.* The young surveyor's preceptor and architect's and builder's guide. 2nd ed. London. 4°. (14,954)
1866. *Blenkarn, J.* Practical specifications of works executed in architecture, civil engineering, etc. [Sect. ii. Architecture.] London. 8°. (13,319)
1876. *Hoskins, G. G.* The clerk of works. A vade-mecum for all engaged in the superintendence of building operations. London. sm. 8°. (17,894)
1880. *Leaning, J.* Quantity surveying. London. sm. 8°. (19,510)

BUILDING CONSTRUCTION—*continued.**(Specifications; Valuation; Superintendence; Inspection.)—cont.*

- [1882?] *Wichmann, C. J.* Das Veranschlagen von Bauarbeiten. [2te Aufl.] Leipzig. sm. 8°. (6,146)
1883. *Stephenson, G.* Estimating: a method of pricing builders quantities for competitive work. London. sm. 8°. (21,006)
1884. *Fletcher, B. F.* Quantities. 4th ed. London. sm. 8°. (20,697)
- *Kolz, K.* Anhaltspunkte zum Entwerfen und Veranschlagen von Hochbauten. Leipzig. sm. 8°. (6,191)
1886. *Hilgers, E.* Bau-Unterhaltung in Haus und Hof. 4te Aufl. Wiesbaden. 8°. (20,922)
- *Kanhya Lal.* Specifications of works, with rules, formulæ, and tables. Lahore. 8°. (20,899)
- *Kerr, R.* The consulting architect. London. 8°. (22,139)
- *Rogers, F.* Specifications for practical architecture. With an essay on the structure and science of modern buildings Upon the basis of the work by A. Bartholomew. 2nd ed. London. 8°. (11,004)
1887. *Leaving, J.* The duties of a clerk of works. London. 18°. (23,467)
1889. *Clark, T. M.* Building superintendence. A manual for architects, students, etc. interested in building operations. Boston, Mass. 8°. (21,784)
- *Dobson, E.* Students' guide to the practice of measuring and valuing artificers' work, etc. 6th ed., revised by E. W. Tarn. London. sm. 8°. (21,562)
1890. *Stephenson, G.* Repairs: how to measure and value them. Handbook for builders, decorators, etc. London. sm. 8°. (22,688)
1901. *Koch, H.* Die Bauführung. *Durm, J.* Handbuch der Architektur. Theil i. Bd. 5. 8°. (22,285)

(— *Periodicals.*)

- 1898, etc. *Specification for Architects, Surveyors and Engineers.* London. F 73: 898a

BUILDING CONSTRUCTION—continued.

(Price-books.)

1749. *Langley, B.* The London prices of bricklayers' materials and works. London. 8°. (3,495)
1773. *Salmon, W.* The London and country builder's vade mecum. 5th ed., by J. Green. London. 8°. (3,622)
- 1776-1879. *Taylor, I., and his successors.* Taylor's builder's price-book. Collected by an eminent surveyor. (Published annually), 1776, 1792, 1801, 1822, 1827, 1830, 1835, 1846, 1870, 1879. London. 10 vols. 12°. (18,875)
1807. *Phillips, J.* Crosby's builder's new price book, corrected to March, 1807. 8th ed. London. 8°. (18,961)
1813. *Skyring, Z.* Skyring's new and complete list of builders' prices. 3rd ed. London. 8°. (18,943)
1820. *Phil'ps, J.* Crosby's builder's new price book, corrected to Feb. 1820. 30th ed. London. 8°. (16,268)
1824. *Thorne, W.* The perpetual guide, for the equitable adjustment of builder's prices. London. 8°. (7,144)
1825. *Practical.* The practical builder's perpetual price book. London. 4°. (12,784)
1833. *Bennett, J.* The artificer's complete lexicon for terms and prices. London. 8°. (14,907)
1837. — Same. 2nd ed. London. 8°. (1,367)
1858. *Weale, J.* The builder's and contractor's price book. 3rd ed. London. 12°. (2,969)
- 1869, etc. *Laxton's Builders' Price Book.* London. F 69: 869
1872. *Atchley, —.* Atchley's builder's price book, etc. for 1872. London. sm. 8°. (15,719)
- 1888, etc. *Spon's Architects' and Builders' Price Book.* London! F 69: 888

(Accidents.)

- [1902.] *Home Office.* A memorandum on the causes of common accidents that occur on buildings in course of construction or repair, and hints for their prevention. [London.] fol. (28,225) . ИОИВ

BUILDING MACHINERY AND PLANT.

- 1882-83. *Jesp.* W. Baumaschinen. Heft i.-viii. Leipzig. sm. 8°. (16,86)
1885. *Prall, R.*, and *Schurwinsky*, —. Hilfsanlagen für den Materialtransport und die Errichtung von Hochbauten. *Hausner von Waldapp, E.* Handbuch der Ingenieurwissenschaften. Bd. iv. Abt. 2. 8°. (16,50)
1901. *Koch, H.* Die Bauführung Mit Einschluss der Baukostenberechnung der Baustützen und der Beförderungsmittel von Baumaterialien auf der Baustelle. *Dorsi, J.* Handbuch der Architektur Theil I. Bd. 5. 8°. (22,285)

BUILDING MATERIALS.

(General Treatises.)

1848. *Hutchinson, J.* Experiments on building materials. London. 8°. (6,51)
- [1860?] *Clapp, S.* Handbook for students at the School of Construction. [Natural properties of materials used in construction.] London. 12°. (2,726)
1863. *André, D. T.* Non-crystalline mineral manufactures. [Marble, stone-work, etc.; cements, etc.; bricks, terra-cottas, etc.] *Society of Arts.* Lectures on the results of the Exhibition of 1861. No. xxii. 8°. (13,799)
- [1865.] *Delanné, A. E. O. J.* Matériaux de construction de l'Exposition Universelle de 1865. Paris, 1866. 8°. (19,740)
1868. *Thames Valley Engineering College.* Papers, No. 1. Building materials. Barchin. 8°. (13,775)
- [1869.] *Kersten, F.* Die Baumaterialienkunde mit bes. Berücksicht. der Ziegel- und Kalkbrennerei. Leipzig. 8°. (15,454)
1867. *Delanné, A. E. O. J.* Matériaux de construction. *Paris Centennial Exhibition, 1867.* Rapports du Jury International. Classe 03, sect. 1. 1865. 8°. (13,825)
1872. *School of Military Engineering, Chatham.* Lectures. Building materials. BY W. Y. Dent. Chatham. fol. (15,983)
1873. *Thames Valley Engineering College, Roarke's.* Manuals. New Series. No. 1. Building materials, 5th ed. by A. M. Long. Roarke's. 8°. (16,151)

BUILDING MATERIALS—continued.

(General treatises)—continued.

- 1874-75. *Gottgetreu, R.* Physische und chemische Beschaffenheit der Baumaterialien. 2te Aufl. Berlin. 2 vols. in one. 8°. (26,649)
1874. *Scaddon, H. C.* Our present knowledge of building materials and how to improve it. *Roy. Engineers, Corps of Prof. Papers.* New Ser. Vol. xxii. F 90 : 844
1880. *Exner, W. F., and others.* Die Technik der wichtigeren Baustoffe. *Durm, J. Handbuch der Architektur.* Theil i. Bd. 1. Abt. 1. 8°. (22,285)
1883. *Moser, R.* Baumaterialien. *Schweizerische Landesausstellung, 1883. Berichte.* Gruppe 18. 1884. 8°. (23,052)
1885. *Pardo, M.* Materiales de construcción. Madrid. 2 vols. 8°. (16,059)
1887. *Dent, W. Y.* Building materials. *Society of Arts.* Cantor lectures. [Vol. 3.] B 51 : 872
1888. —. On building materials. *Roy. Engineers, Corps of Prof. Papers.* Vol. xiv. F 90 : 844
1889. *Hallopeau, —, and Lascombe, —.* Les matériaux de construction et leur emploi. *Vigreux, C. Revue technique, etc.* Pt. 2. 8°. (21,983)
1899. *Krüger, R.* Handbuch der Baustofflehre. Wien. 2 vols. 8°. (26,902)

(Tests.)

1901. Die Gesetze der Knickungs- und der zusammen gesetzten Druckfestigkeit der technisch-wichtigsten Baustoffe. 2te Aufl. Zürich *Schweizerische Polytechnikum : Material-Prüfungs Anstalt.* Mittheilungen. Heft viii. E 5 : 884

(Chemistry.)

1888. *School of Military Engineering, Chatham.* Lectures. Chemistry of building materials, etc. By W. de W. Abney. 3rd ed. 8°. (23,287)
1896. *Thomson, J. M.* Chemistry of certain metals and their compounds used in building, and the changes produced on them by air, moisture, and noxious gases, etc. *Society of Arts.* Cantor lectures. [Vol. 5.] B 51 : 872

BUILDING MATERIALS—*continued.*

(Periodicals.)

- 1885-92. *Brick and Tile Gazette* [later] and *Potteries Journal* [Includes cement and stone.] London. K 71: 835
- 1888, etc. *Deutsche Töpfer- und Ziegler-Zeitung, für die Ziegel, Thon, und Porzellanwaaren-, Kalk- und Cement-Industrie.* Leipzig. K 71: 838
- 1889-91. *Specialities for Architects, Surveyors, etc.* London. F 73: 889
- 1890, etc. *Deutscher Verein für Fabrikation von Ziegeln, Thonwaaren, Kalk und Cement* [later] *für Thon-, Cement- und Kalk-Industrie.* Mittheilungen. Berlin. K 71: 890
- 1895, etc. *Thonindustrie-Zeitung, und Fachblatt der Cement-, Beton-, Gips-, Kalk- und Kunststeinindustrie.* Berlin. K 71: 895
- 1896, etc. *Quarry.* Journal of the stone, marble, slate, lime, clay, and cement trades. London. G 79: 896
- 1897, etc. *Stein und Mörtel.* Zeitschrift für . . . Ziegeln, Kalk, Cement, Chamotte, Steingut, etc. Berlin. K 71: 897
- 1898, etc. *Builders' Merchant.* London. F 73: 898
- 1898, etc. *Ciment.* Paris. K 71: 898a
- 1900, etc. *Stone Trades Journal,* for producers, etc. of stone, marble, granite, slate, stoneware, tiles, bricks, cement, etc. London. G 79: 900

BUILDING, STATE REGULATION OF.

1678. *Discourse* showing the great advantages that new-buildings, and the enlarging of towns and cities do bring to a nation. London. 4°. (10,745)
1685. *Apology.* An apology for the builder; or a discourse shewing the cause and effects of the increase of building [in the Metropolis]. London. sm. 4°. (11,435)
1827. *Elmes, J.* A practical treatise on architectural jurisprudence. London. 8°. (770)
1848. *Hosking, W.* Guide to the proper regulation of buildings in towns. London. 8°. (15,941)

BUILDING, STATE REGULATION OF—*continued.*

1855. *Gibbons, D., and Hesketh, R.* The Metropolitan Building Act, etc. With notes, index, and engravings. London. 12°. (5,926)
1882. *Fletcher, B. F.* The Metropolitan Building Acts: a text-book for architects, surveyors, etc. London. sm. 8°. (20,695)
1888. *Local Government Board.* Back-to-back houses. Report by F. W. Barry and P. G. Smith. London. fol. (17,107)
- 1891, etc. *London County Council.* Bye-laws and regulations [Buildings, etc.]. London. fol. (25,607)
1895. *Fletcher, B. F.* The London Building Act, 1894. A text-book for the use of architects, surveyors, builders, etc. London. sm. 8°. (24,467)
1896. *Wernich, A. L. A.* Wohnungsbetrieb, Hausordnungen, Wohnungs-Aufseher (Wohnungs-Polizei), Wohnungsämter. *Weyl, T.* Handbuch der Hygiene. Bd. iv. Abt. 2. Lief. 1. 8°. (24,547)
- — Gesetze, Verordnungen, etc., betreffend billige Wohnungen. *Ibid.* Lief. ii. 8°. (24,547)

BUILDINGS, DANGEROUS, REMEDYING.

1892. *Blagrove, G. H.* Dangerous structures. London. sm. 8°. (23,632)

Building-stone. *See* Stone.

CARPENTRY.

(*Dictionaries and Price-lists.*)

1776. *Clavering, R.* The carpenter's and joiner's vade mecum, etc.; or, book of rates or prices. London. 8°. (16,820)
1802. *Prices of carpenters' work.* With MS. additions to 1806. London. 8°. (11,995)
1886. *Gateuil, N.* Dictionnaire de menuiserie et charpente, suivi d'une série des prix de la ville de Paris. Bordeaux. sm. 8°. (21,905)

CARPENTRY—*continued.**(General treatises.)*

- 1677-83. *Moxon, J.* Mechanick exercises, or the doctrine of handy - works. [Vol. i. Pts. iv.-vi. Joynery. Pts. vii.-ix. House-carpentry.] London, 1678-79. sm. 4°. (7,272)
2nd ed. 1694. (406) 3rd ed. 1703. (413)
1733. *Smith, J.* The carpenters' companion. London. 8°. (3,430)
1781. *Fain, W.* The carpenter's pocket directory; containing the best methods of framing timber buildings. With the plan and section of a barn. London. 4°. (543)
1793. *Nicholson, P.* The carpenter's new guide. [2nd ed.] London. 4°. (29,164)
- [18 ?] *Tarback, E. L.* Encyclopædia of practical carpentry and joinery. London. 4°. (21,424)
1805. *Krafft, J. K.* Plans, coupes, et élévations de diverses productions de l'art de la charpente. Paris. fol. (635)
1820. *Tredgold, T.* Elementary principles of carpentry. London. 4°. (14,891)
1835. *Poncelet, M.* Essai sur l'art de tracer la menuiserie, etc. Liège. 4°. (13,554)
1840. *Ardant, P.* Études théoriques et expérimentales sur l'établissement des charpentes a grande portée. Metz. 4°. (14,193)
- *Tredgold, T.* Elementary principles of carpentry. 3rd ed. With appendix on roofs, by P. Barlow. London. 4°. (910)
- 1845-59. *Matthaen, C. L.* Handbuch für Zimmerleute. Theil i. Wissenschaftliche Vorkenntnisse des Zimmermanns. Theil ii. Kenntniss der Materialien. 2te Aufl., von J. C. G. Hampel. Weimar. 2 vols. 12°. (6,605)
- — Same. Theil iii. Die Arbeiten des Zimmermannes. 4te Aufl., von A. W. Hertel. Weimar, 1859. 12°. (12,425)
- [1849.] *Demont, —.* Nouveau traité de charpente. Paris. 4°. (13,308)
1856. *Biston, V., and Hanus, P. A.* Manuel du charpentier; avec une introduction et un appendice par C. Boutereau. Nouv. éd. Paris. 18°. (4,644)
1857. *Bouzique, L., and R—, E.* Manuel de menuiserie . . . du bâtiment, etc. Paris. 18°. (4,654)

CARPENTRY—continued.

(General treatises)—continued.

1859. *Robison, J.* and *Tredgold, T.* Principles of construction in carpentry and joinery. London. 12° and 4° atlas. (2,973)
- [1860.] *Newlands, J.* The carpenter and joiner's assistant. With a glossary of terms used in architecture, etc. Glasgow, etc., 1869. 4°. (14,885)
- — Same. [Reprint, omitting part on projection, etc.] London, etc., [1882]. (22,664)
1862. *Hertel, A. W.* Die moderne Bautischlerei. 5te Aufl. Weimar. 12° and 4° atlas. (6,698)
1864. *Holly, H. W.* The carpenter's and joiner's handbook. New York. 12°. (7,490)
1867. *Hughes, T. W.*, and *Prior, J. D.* Carpenters' and joiners' work. *Society of Arts. Reports of Artisans.* . . . Paris Univ. Exhibition, 1867. 8°. (13,277)
- *Kay, A.* Joiners' work. *Ibid.* 8°. (13,277)
- 1869-70. *Émy, A. R.* Traité de l'art de la charpenterie. [Vols. i. and ii.] 2e éd. par L. A. Barré. Paris. 3 vols. 4° and 1 vol. fol. (15,702)
- [187 ?] *Merly, J. F.* Le livre de poche du charpentier. Paris. 12°. (19,711)
1870. *Thomason Civil Engineering College.* Papers. No. xi. Carpentry. 2nd ed. Roorkee. 8°. (13,775)
- *Tredgold, T.* Elementary principles of carpentry. 5th ed. With appendix on roofs, by P. Barlow. London. 4°. (15,464)
- [1872.] *Riddell, R.* The carpenter and joiner, stair builder, and hand-railer. [2nd ed.] Edinburgh. 4°. (15,972)
1873. *Flattich, W.* Bautischlerei. *Vienna Univ. Exhibition, 1873. Officieller Ausstellungs-Bericht.* Heft 43. 1873-74. 8°. (16,635)
- *Hatfield, R. G.* The American house-carpenter. Sect. i. Geometry. iii. Mouldings, etc. iv. Framing. v. Doors, windows, etc. vi. Stairs. 7th ed. New York. 8°. (19,282)
1874. *Eassie, P. B.* Wood and its uses: a handbook for the use of contractors, builders, architects, timber merchants, etc. With information for drawing up designs and estimates. Gloucester. sm. 8°. (16,602)
- [1877.] *Adams, H.* Joints in woodwork. (Paper read.) London, 1883. 8°. (19,968)

CARPENTRY—continued.

(General treatises)—continued.

1878. *Hodgson, W.* Joinery. *Society of Arts. Artisan Reports on the Paris Univ. Exhibition, 1878.* 8°. 1879. (18,854)
- 1880-81. *Romstorfer, K. A.* Die Bautischlerei. Leipzig. sm. 8°. (7,617)
- [1881 ?] *Ferrand, J.* Le charpentier-serrurier au XIXe Siècle. Constructions en fer et en bois, charpentes mixtes en fer, fonte et bois, charpentes décoratives. Paris. fol. (19,520)
1883. *Tredgold, T.* Elementary principles of carpentry. Revised and partly re-written by J. T. Hurst. 4th ed. London. sm. 8°. (16,378)
1885. *Decker, W. F.* Manual of industrial drawing for carpenters and other wood-workers. Appendix, Specifications for a wooden house. New York. 8°. (12,335)
1886. *Collings, G.* Circular work [of single and double curvature] in carpentry and joinery. London. 12°. (9,209)
- *Heinzerling, F.* Constructions-Elemente in Holz. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 1. Abt. 1. 8°. (22,285)
1889. *Schröder, C.* Die Schule des Tischlers. 2te Aufl. Weimar. 8° and 4° atlas. (21,494)
- *Taylor, J. C., and Vest, T.* Carpentry and joinery. (2 reports.) *Mansion House Committee. Reports of Artisans, Paris Exhibition, 1889.* 8°. (25,318)
1890. *School of Military Engineering, Chatham.* Lectures. Joinery: doors and windows. By A. G. Clayton. Chatham. 8°. (23,288)
1892. *Denfer, J.* Charpente en bois et menuiserie. Paris. 8°. (24,483)
1895. *Mazerolle, L.* Traité . . . de charpente. Dourdan. 2 vols. [in one]. 8° and fol atlas. (25,105)
pp. 1-45. Définitions des termes.
1898. *Aucamus, E.* Menuiserie, etc. Paris. sm. 8°. (17,805)
1901. *Maginnis, O. B.* How to frame a house: or, house and roof framing. New York. 1. 8°. (28,401)
1902. *Ellis, G.* Modern practical joinery [by hand and machine. With stair-building, hand-railing, glossary of technical terms, etc.]. London. 1. 8°. (28,603)

C sinos. *See* Theatres and public halls.

CATHEDRALS.

1835-42. *Winkles, R. B.* Winkles' architectural and picturesque illustrations of the cathedral churches of England and Wales. Drawings by Garland. With descriptions by T. Moule. London. 3 vols. 4°. (2,590)

— — Same. New ed. London, 1851-60. 3 vols. 4°. (21,429)

Cattle markets. *See* Slaughter houses and cattle markets.

Ceilings. *See* Floors and ceilings.

CEMENTS, BUILDING.

(*General treatises.*)

1778. *Appeal to the public on the right of using oil-cement or composition for stucco, etc.* With evidence on the public use of oil composition before the date of Liardet's patent [No. 1040 of 1773]. London. 8°. (2,260)

1780. *Higgins, B.* Experiments and observations . . . on calcareous cements and quicklime. With specification of the author's cement, etc. [Letters Patent No. 1207 of 1779.] London. 8°. (5,270)

1818. *Vicat, L. J.* Recherches expérimentales sur les chaux de construction, les bétons et les mortiers ordinaires. Paris. 4°. (11,607)

— — Treatise on calcareous mortars and cements. From the French by J. T. Smith. With remarks upon the results of various new experiments. London, 1837. 8°. (862)

1825. *Hassenfratz, J. H.* Traité . . . de l'art de calciner la pierre calcaire, et de fabriquer toutes sortes de mortiers, ciments, bétons, etc. [Avec] Tableau de l'analyse de 207 pierres a chaux. Paris. 4°. (13,893)

1838. *Pasley, Sir C. W.* Observations on limes, calcareous cements, mortars, stuccos, and concrete . . . with rules for making an artificial water cement, etc. London. 8°. (6,351)

CEMENTS, BUILDING—*continued.**(General treatises)*—*continued.*

1860. *Biston, F.* Manuel du chaufournier. Contenant l'art de calciner la pierre à chaux et à plâtre; de composer toutes sortes de mortiers . . . ciments, pouzzolanes artificielles, bétons . . . pierres et stucs ou marbres factices, etc. Nouv. éd., par D. Magnier. Paris. 18°. (4,553)
1857. *Burnell, G. R.* Treatise on limes, cements, mortars, concretes, mastics, plastering, etc. 3rd ed. London. 12°. (2,908)
1859. *Thon, C. F. G.* Die Kittkunst. Abth. ii. Die Kunst, Mörtel und Cemente . . . zu bereiten, etc. 2te Aufl. Weimar. 12°. (6,687)
1860. *Hertel, A. W.* Die Lehre von Kalk und Gyps . . . Bereitung der Mörtel, Cemente, des Stukko, etc. 3te Aufl. Weimar. 12°. (6,586)
1862. *Austin, J. G.* Treatise on calcareous and hydraulic limes and cements. With recipes for various scientific, mercantile, and domestic purposes. London. 8°. (19,745)
1863. *Leonhardt, W.* Die Kitt-, Leim-, Cement- und Mörtel-Fabrikation: mit Einschluss der Kalk- und Gypsbrennerei. Leipzig. 8°. (7,421)
1873. *Hinton, L. J.* Report on the working of stone, etc. [Chap. iv. Cement, etc. v. Artificial stone.] *Vienna Intern. Exhibition, 1873: U.S. Comm. Reports*, vol. iv. 1876. 8°. (17,905)
- Same. Another copy. Washington, 1876. 8°. (18,481)
- *Thomason Civil Engineering College, Roorkee. Manuals. New Series. No. 1a. Limes, mortars, and cements. Compiled by C. C. S. Moncrieff. 4th ed. by A. M. Lang. Roorkee. 8°. (18,151)*
1874. *Gillmore, Q. A.* Practical treatise on limes, hydraulic cements, and mortars. 5th ed. *U.S. War Dept. Bureau of Engineers. Prof. papers, No. 9.* New York. 8°. (17,879)
1876. — Portland, Roman, and other cements and artificial stone. *Philadelphia Intern. Exhibition, 1876: U.S. Centennial Comm. Reports and Awards. Group ii.* 1877. 8°. (9,713)
1877. *Rühne, J. F.* Lehrbuch der Kalk-, Cement-, Gyps- und Ziegelfabrikation. *Otto, F. J. Lehrbuch der landwirthschaftlichen Gewerbe. 7te Aufl. Theil xiii.* 8°. (17,989)
- Same. Another copy. Braunschweig, 1877. 8°. (21,965)

CEMENTS, BUILDING—*continued.**(General treatises)*—*continued.*

1877. *Zwick, H.* Kalk und Luftmörtel. [v.-vi. Artificial stones.] Leipzig. sm. 8°. (19,466)
1881. *Camis, V.* Cave e cementi. *Milan: Esposizione Industr. Italiana del 1881.* Relazioni dei Giurati. [Vol. 12.] 1884. 8°. (4,646)
1883. *Duquesnay, —.* Mortiers et ciments. *Fremy, E.* Encyclopédie chimique. Tome v. Sect. 2. Pt. 1. fasc. 1. [38.] 8°. (11,342)
- — Same. Another copy. Paris, 1883. 8°. (5,847)
1886. *Crompton, S.* On the remarkable effects of adding saccharine matters to mortars. [Reprint.] sm. 8°. (1,839)
1887. *Tarnawski, A.* Kalk, Gyps, Cementkalk und Portland-Cement in Oesterreich-Ungarn. Wien. 8°. (21,088)
1888. *Cluss, A.* Mortars and concretes of antiquity and modern times. [Reprint.] New York. sm. 8°. (12,438)
- *Sonne, E.* Mörtelmaschinen. *Heusinger von Waldegg, E.* Handbuch der Ingenieurwissenschaften. Bd. iv. Abt. 3. Lief 4. 8°. (15,500)
1889. *Lubomirski, Prince G.* Notice sur l'amélioration des ciments au moyen d'une addition de chaux. 3e éd. Grenoble. 8°. (22,256)
- 1891-92. *Heusinger von Waldegg, E.* Die Ziegel- Röhren- und Kalkbrennerei. 4te Aufl. von P. Kayser. Leipzig. 2 vols. 8°. (22,940)
1893. *Arlorio, A.* Cementi Italiani. Milan. 8°. (24,046)
- *Heath, A. H.* Manual of lime and cement, their treatment and use in construction. London. sm. 8°. (23,662)
- *Standage, H. C.* Cements, pastes, glues, and gums. [ii. Building cements, plasters, etc.] London. sm. 8°. (23,716)
1894. *Grange, C.* Chaux et sels de chaux appliqués à l'art de l'ingénieur. Paris. 8°. (23,822)
1895. *Redgrave, G. R.* Calcareous cements; their nature and uses, with some observations upon cement testing. London. sm. 8°. (24,259)
1896. *Schoch, C.* Die moderne Aufbereitung und Wertung der Mörtel-Materialien. Berlin. 8°. (9 090)
- [1897.] *London Chamber of Commerce. Cement Trade Section.* Report re cement admixtures, with evidence of experts. London. fol. (26,708)

CEMENTS, BUILDING—continued.

(General treatises)—continued.

1898. *Carey, A. E.* The selection, testing and employment of cement. *Roy. Engineers, Corps of.* Prof. Papers. Vol. xxiv. F 90: 844
- *Cummings, U.* American cements. Boston. 8°. (25,516)
1899. *Clarke, A. H.* Architects' handbook on cements. Baltimore. 16°. (26,960)
- [1901.] *Dibdin, W. J.* Lime, mortar, and cement; their characteristics and analyses. With an account of artificial stone, etc. London. sm. 8°. (27,476)

(Tests.)

1852. *White, J. B., and Sons.* Experiments on the strength of Portland and Roman cements. London. 8°. (5,865)
1875. *Grant, J.* Experiments on the strength of cement. London. 8°. (1,236)
1884. *Bümches, F.* Die Erprobung der inländischen hydraulischen Bindemittel, bezüglich ihres Verhaltens in Seewasser. *Technische Vorträge, etc.* Heft 4. E 20: 884a
1886. *Unwin, W. C.* On the rate of hardening of cement and cement mortars. [Excerpt.] London. 8°. (8,093)
1888. *Gillmore, Q. A.* Notes on the compressive resistance of freestone, brick piers, hydraulic cements, mortars and concretes. New York. 8°. (21,756)
1889. *Böhme, —.* Resultate der Untersuchungen des in der Eifel vorkommenden vulkanischen Sandes in Bezug auf seine Verwendbarkeit zur Mörtelbereitung. *Königl. techn. Versuchsanstalten.* Mittheilungen. Ergänzungsheft. 1889. No. 1. E 5: 883a
1898. *Candlot, E.* Essais des chaux, ciments et mortiers. *Soc. des Ingenieurs Civils de France.* Cinquante-naire. 1848-98. 8°. (25,483)
1899. *Cooper, A. S.* The effect of salt water on cements. *Franklin Inst.* Reprints. [Vol. 3.] B 62: 886
- *Gary, M.* Bericht über die Raumbeständigkeit von zehn Portlandementen. *Königl. techn. Versuchsanstalten:* Mittheilungen. Ergänzungsheft. 1899. No. 1. E 5: 883a
1900. —. Bericht über das Verhalten hydraulischer Bindemittel im Seewasser. *Königl. techn. Versuchsanstalten.* Mittheilungen. Ergänzungsheft. 1900. No. 1. E 5: 883a

CEMENTS, BUILDING—*continued.**(Tests)*—*continued.*

1901. *Earle, G. and T., Ltd.* Standard methods of testing cement. [London.] 4°. (29,273)
- *U.S. War Dept. (Bureau of Engineers.)* Prof. Papers, No. 28. Report of Board of Engineer Officers on testing hydraulic cements. Washington. 8°. (28 012)

(Armoured cements.)

1877. *Hyatt, T.* An account of some experiments with Portland-cement concrete combined with iron, as a building material. London. 4°. (18,347)
1898. *Bordenave, J.* Exposé, description, applications, résultats du sidéro-ciment, système Bordenave. [Letters Patent Nos. 4,386 of 1887, and 22,172 of 1891.] Paris. 8°. (27,380)
- *Dubois, J.* Notice sur les constructions en ciment armé. 2e éd. Macon. 8°. (26,349)
- [1898?] *Planat, P.* Recherches sur la théorie des ciments armés. Paris. 8°. (25,384)
1899. *Boussiron, S.* Note sur les constructions en ciment armé (système Boussiron). Paris. 8°. (26,468)
- *Considère, —.* Influence des armatures métalliques sur les propriétés des mortiers et bétons. [Reprint.] Paris. 8°. (26,896)
- *Lavergne, G.* Étude des divers systèmes de construction en ciment armé. [Reprint.] Paris. 8°. (26,360)
1900. *Heidenreich, E. L.* Monier constructions [in armoured cement. Letters Patent No. 3835 of 1886.] Chicago. sm. 8°. (26,967)
1901. *Canevazzi, S.* Siderocemento. Formole di resistenza e di elasticità. [Reprint.] Bologna. 1.8°. (28,061)
1902. *Berger, C., and Guillerme, V.* La construction en ciment armé. Paris. 8° and 4° atlas. (28,481)
- *Christophe, P.* Le béton armé et ses applications. 2e éd. Paris. 8°. (28,330)
- Bibliography ; pp. 727-739.
- [1902.] *Morel, M. A.* Le ciment armé et ses applications Paris. sm. 8°. (29,095)
- *Mouchel, L. G.* The Hennebique ferro-concrete system. London. 4°. (28,718)

CEMENTS, BUILDING—*continued.**(Hydraulic cements.)*

1775. *Loriot, A. J.* A practical essay on cement and artificial stone, etc., lately re-discovered, by M. Loriot. From the French. [Reprinted from the 1st ed.] St. Jago de la Vega. 8°. (10,374)
- — Same. 2nd ed. London, 1775. 8°. (10,375)
- — Same. 3rd ed. London, 1777. 8°. (18,542)
1780. *Semple, G.* A treatise on building in water. [Part ii. Composition of hydraulic cement, etc.] 2nd ed. London. 4°. (26,212)
1830. *Pusley, Sir C. W.* Observations . . . upon the natural water cements of England, and on the artificial cements that may be used as substitutes for them. Chatham. 8°. (3,845)
1846. *Vicat, L. J.* Nouvelles études sur les pouzzolanes artificielles comparées a la pouzzolane d'Italie dans leur emploi en eau douce et en eau de mer. Paris. 4°. (25,861)
1867. *Scott, H. Y. D.* Report on limes and hydraulic cements. *Paris Univ. Exhibition, 1867: British Comm. Reports.* Vol. iv. 1868. 8°. (13,626)
1868. *Reid, H.* A treatise on the manufacture of Portland cement. Added, a translation of M. A. Lipowitz's work describing the German method of manufacture, etc., by W. F. Reid. London. 8°. (15,093)
1871. *Fahnehjelm, O.* Anteckningar om Portland-Cement. Stockholm. 8°. (15,389)
1873. *Innes, W.* Notes on the supply, storage, and testing of Portland cement. *Roy. Engineers, Corps of.* Prof. Papers. New Ser. Vol. xxi. F 90: 844
1879. *School of Military Engineering Chatham.* Lectures. Portland cement and some of its uses. By E. A. Bernays. fol. (23,276)
- *Zwetck, H.* Hydraulischer Kalk und Portland-Cement. Wien. sm. 8°. (19,473)
1880. *Maclay, W. W.* Der Portland-Cement. Die Verwendung und Prüfung desselben. In's Deutsche übertragen von B. Stahl und R. Rudloff. Leipzig. sm. 8°. (8,197)
1881. *Fatja, H.* Portland cement for users. [With appendices containing tests and analyses.] London. 12°. (14,799)

CEMENTS, BUILDING—*continued.**(Hydraulic cements)*—*continued.*

1886. *Candlot, E.* Étude pratique sur le ciment de Portland. Fabrication, propriétés, emploi. Paris. 8°. (19,770)
1887. *Cummings, U.* Hydraulic cements, natural and artificial; their comparative values. [Reprint.] Boston, Mass. 8°. (13,493)
1888. *Bonnami, H.* Fabrication et controle des chaux hydrauliques et ciments, Paris. 8°. (21,956)
- [1889 ?] *Buckeye Portland Cement Co.* Buckeye Portland cement. [Manufacture, tests, etc.] Bellefontaine, Ohio. sq. 16°. (5,163)
1889. *Raty, G., et Cie.* Le ciment Portland de laitier de Saulnes. Paris. sm. 8°. (16,775)
1890. *Candlot, E.* [i.] Détermination de la qualité du ciment Portland. [ii.] Emploi du ciment Portland à l'eau douce et à l'eau de mer. Paris. 16°. (24,040)
1891. — Ciments et chaux hydrauliques. Fabrication, propriétés, emploi. Paris. 8°. (23,494)
- *Redgrave, G. R.* Manufacture and properties of slag cement. [Excerpt.] London. 8°. (11,669)
- [1892.] *American Cement Company.* History of the Portland cement industry in the United States. Philadelphia. 8°. (12,553)
1892. *Bamber, H. K., and others.* Portland cement and Portland cement concrete. i. Portland cement: its manufacture, use, and testing. By H. K. Bamber. ii. The inspection of Portland cement for public works. By A. E. Carey. iii. The influence of sea-water upon Portland cement mortar and concrete. By W. Smith. [Excerpt.] London. 8°. (12,484)
- *Canoy de Léon, M.* Los materiales hidraulicos. Clasificación, propiedades, analisis, etc. *Memorial de Ingenieros.* 3a época. Tome ix. sm. 4°. F 96: 846
1893. *Spalding, F. P.* Notes on the testing and use of hydraulic cements. Ithaca. 12°. (5,873)
- Bibliography; pp. 96-108.
1896. *Michaelis, W.* Das Verhalten der hydraulischen Bindemittel zum Meerwasser. *Verein zur Beförderung des Gewerbflusses: Verhandlungen.* Jahrg. 75. B 67 P: 822

CEMENTS, BUILDING—*continued.**(Hydraulic cements)*—*continued.*

1897. *Spalding, F. P.* Hydraulic cement: its properties testing, and use. New York. sm. 8°. (9,260)
1898. *Zulkowski, K.* Zur Erhärtungstheorie des natürlichen und künstlichen hydraulischen Kalkes. [Reprint.] Berlin. sm. 8°. (28,633)
1899. *Büsing, F. W., and Schumann, C.* Der Portland-Cement und seine Anwendungen im Bauwesen. 2te Aufl. Berlin. 8°. (26,527)
- *Butler, D. B.* Portland cement, its manufacture, testing, and use. London. 8°. (26,315)
1900. *Engineering Record.* Descriptions of Portland and natural cement plants in the United States and Europe, with notes on materials and processes in Portland cement manufacture. New York. 8°. (28,126)
1901. *Zulkowski, K.* Zur Erhärtungstheorie der hydraulischen Bindemittel. Berlin. sm. 8°. (28,540)
1902. *Lathbury, B. B., and Spackman, —.* American engineering practice in the construction of rotary Portland cement plants. (In Engl., Germ., Fr.) Philadelphia. obl. 4°. (29,214)

Cementwork, Preserving. *See* Stone, Preserving.

Centering and decentering arches. *See* Arches (*Centering and decentering*).

CHAPELS, BRIDGE AND LIKE.

1828. *Scatcherd, N. A.* Dissertation on ancient bridges and bridge chapels, and especially that on Wakefield Bridge. London. 8°. (11,180)
1843. — The chapel of King Edward the Third on Wakefield Bridge; an essay on this and other ancient bridge chantries. London. 8°. (11,183)
- *Buckler, J. C., and Buckler, C. A.* Remarks upon wayside chapels, and the chantry on Wakefield Bridge. Oxford. 8°. (9,128)

Charitable institutions. *See* Hospitals and other charitable institutions.

Chimney-pieces. *See* Stoves and grates (*Chimney-pieces*).

CHIMNEY-SWEEPING.

1817. *Society for superseding . . . Climbing Boys.* Report [H.C.] on the employment of boys in sweeping of chimneys . . . with notes and observations. London. 8°. (15,517)
1818. *Lushington.* — His speech in support of the Bill for the better regulation of chimney sweepers . . . and for preventing the employment of boys in climbing chimnies. London. 8°. (18,540)
1823. *Hudson, J. C.* A letter on the cruelty of employing children in . . . sweeping chimnies; and on the facility with which the practice may be almost wholly abolished. *Pamphleteer.* Excerpta. [iv.] 8°. (5,514)
1828. *Society for superseding . . . Climbing Boys.* Practical information: with a description of Glass's improved machinery for cleansing chimneys, etc. London. 8°. (16,814)
- [1834 ?] *Glass, J.* Chimney sweeping described, with a view to the emancipation of climbing boys. London. 8°. (18,579)
1841. *Steven, R.* The nature of chimney-sweeping, the attempts made to alter its character and the final accomplishment of this object by 3 and 4 Vict. c. 85, 1840. London. 4°. (12,407)
- [1844.] — Plain hints on the subject of chimney-sweeping. [3rd ed.] London. 8°. (18,950)
- [1845.] — Plain hints on the subject of chimney-sweeping. [5th ed.] London. 8°. (18,951)
1849. *Patent Vulcan Machine Co.* Chimney sweeping by machinery. [Wright's Patent No. 11,686 of 1847. Manufactured by S. F. Every.] Derby. 8°. (16,816)

Chimneys. *See* Stoves and grates (*Chimneys*); [Furnaces and references thereunder]; Tall chimney construction.

Chimneys, Tall, Climbing. *See* Tall chimney climbing.

Chimneys, Tall, Construction of. *See* Tall chimney construction.

CHURCH ARCHITECTURE.

1811. *Milner, J.* Ecclesiastical architecture of England during the Middle Ages. London. 8°. (662)
1820. *Observations* on the construction, etc., of meeting houses, etc., for public worship: [with] the method of warming and ventilating. [By W. Alexander.] York. 8°. (711)

CHURCH ARCHITECTURE—*continued.*

- 1824-25. *Neale, J. P., and Le Keux, J.* Views of collegiate and parochial churches in Great Britain. London. 2 vols. 8°. (744)
1839. *Bland, W.* Experimental essays on the principles of construction in arches, piers, buttresses, etc. [Essays viii.-xi. Relative to church architecture.] London. 8°. (14,904)
1841. *Pettit, J. L.* Remarks on church architecture. London. 2 vols. 8°. (4,030)
1842. *Whewell, W.* Architectural notes on German churches. 3rd ed. With notes on churches of the Rhine by F. de Lassaulx. Cambridge. 8°. (2,631)
- 1842-44. *Knight, H. G.* The ecclesiastical architecture of Italy from the time of Constantine to the 15th Century. London. 2 vols. fol. (946)
1843. *Markland, J. H.* Remarks on English churches and sepulchral memorials. 3rd ed. Oxford. 12°. (956)
- [1845-48.] *Memoirs.* Memoirs of Gothic churches. Read before the Oxford Soc. for promoting the study of Gothic architecture. (i.) Some remarks upon the church of Great Haseley, Oxfordshire. . . [By T. W. Weare.] 2nd ed. 1848. (ii.) Some account of the abbey church of St. Peter and St. Paul, at Dorchester, Oxfordshire. [By H. Addington] 1845. Oxford, 1848. 2 vols. in one. 8°. (11,688)
1845. *Schmit, J. P.* Manuel de l'architecte des monuments religieux. Paris. 18° with atlas. (4,495)
1846. *Dugdale, Str W.* Monasticon Anglicanum. A history of the abbeys and other monasteries, hospitals, frieries, and cathedral and collegiate churches, with their dependencies in England and Wales, etc. London. 6 vols. fol. (2,662)
- 1857-69. *Architecten- und Ingenieur Verein für das Königreich Hannover.* Uebersicht der mittelalterlichen Baudenkmäler Niedersachsens. Heft i.-xv. Hannover. fol. (26,465)
1875. *Bland, W.* Experimental essays on the principles of construction in arches, piers, buttresses, etc. [Chaps. viii.-xi. Relative to church architecture.] 4th ed. London. 12°. (18,097)
1878. *Stokes, M.* Early Christian architecture in Ireland. London. 8°. (19,612)

CHURCH ARCHITECTURE—*continued.*

1882. *Bloxam, M. H.* The principles of Gothic ecclesiastical architecture. 11th ed. With companion. London. 3 vols. sm. 8°. (4,232)
- *Jaehn, K. A.* Das evangelische Kirchen- Gebäude. Leipzig. sm. 8°. (8,078)
1888. *Sharpe, E.* The seven periods of English [church] architecture defined and illustrated. 3rd ed. London. 8°. (21,866)

Club-houses. *See* Hotels and clubs.

Cob-work. *See* Pisé or cob work.

Coffee-houses. *See* Restaurants and coffee-houses.

Coignet-béton. *See* Stone, Artificial.

COMPENSATION.

1874. *Fletcher, B. F.* Compensations. London sm. 8°. (20,693)

Concert halls. *See* Theatres and public halls.

CONCRETE AND CONCRETE CONSTRUCTION.

1832. *White, J.* On cementitious architecture as applicable to the construction of bridges. (Excerpt.) London. 8°. (11,736)
1836. *Godwin, G.* Essay upon the nature and properties of concrete, and its application to construction. [Excerpt.] 4°. (17,960)
1858. *Rennie, G.* On the employment of rubble béton or concrete in works of engineering and architecture. [Excerpt.] 8°. (4,268)
- [1866?] *Tall, J.* His apparatus for constructing walls, houses, and other buildings [in concrete]. [Letters Patent No. 822 of 1865.] London. 8°. (13,729)
1869. *Reid, H.* Concrete and how to make it; with observations on the uses of cements, limes, and mortars. London. sm. 8°. (14,382)

CONCRETE AND CONCRETE CONSTRUCTION—*continued.*

1874. *Maquay, —.* Notes on Portland cement concrete. *Roy. Engineers, Corps of.* Prof. Papers. New Ser. Vol. xxii. F 90: 841
1877. *Potter, T.* Concrete; its use in building and the construction of concrete walls, floors, etc. London. sm. 8°. (17,386)
1879. *Reid, H.* Natural and artificial concrete; its varieties and constructive adaptations. New ed. London. 8°. (21,421)
1886. *Michaelis, O. E.* A note on the cost of concrete. [Excerpt.] 8°. (8,263)
1887. *Newman, J.* Notes on concrete, and works in concrete. London. sm 8°. (21,159)
- *Pilkington, H.* Sand in concrete. *Roy. Engineers, Corps of.* Prof. Papers. Vol. xiii. F 90: 844
- [1891-95.] *Potter, T.* Concrete: its use in building and the construction of concrete walls, floors, etc. New ed. Winchester. 2 vols. sm. 8°. (23,621)
- [1893.] *Mahiels, A.* Le béton et son emploi. Liège. 8°. (23,837)
1893. *Sutcliffe, G. L.* Concrete: its nature and uses. London. sm. 8°. (23,786)

CONCRETE ARCHITECTURE.

1878. *Shaw, R. N.* Sketches for cottages and other buildings, designed to be constructed in the cement slab system of W. H. Lascelles. London. fol. (3,992)
1881. *Birch, J.* Concrete buildings for landed estates. [With designs and estimates.] London. sm. 8°. (8,665)
- *Shaw, R. N., and Newton, E.* Sketches for cottages and other buildings, designed to be constructed in the cement slab system of W. H. Lascelles. London. fol. (19,773)

Concrete, Armoured. *See* Cements, Building (*Armoured cements*).

Contractors' plant. *See* Building machinery and plant.

Convalescent homes. *See* Hospitals and other charitable institutions.

COOKING STOVES AND RANGES.

- [1799-180 ?] *Rumford, Count.* On the construction of kitchen fireplaces and kitchen utensils, etc. *In his Experimental essays.* Vol. 3. Essay x. 8°. (584)
1800. *Norbury, J.* New invention concerning the ground plan, etc., of iron ovens, boilers, brewers' pans, etc. Macclesfield. 4°. (2,351)
1867. *Muller, —.* Appareils d'économie domestique. *Paris Univ. Exhibition, 1867.* Rapport du Jury International. Classe 24. Sect. i. 1868. 8°. (13,828)
1869. *Edwards, F.* On the extravagant use of fuel in cooking operations, with a short account of Count Rumford and his economical systems, etc. London. 1. 8°. (15,104)
1883. *Damcke, E. B., and others.* Koch-, Spül-, etc., Einrichtungen. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 5. 1. 8°. (22, 85)
- [1890 ?] *History.* The history of the "coal devouring" cooking range and its progeny smoke and fog, and the remedy. [By F. Dye.] London. sm. 8°. (9,497)

Cornices. *See* Plastering, etc.

COTTAGES.

1813. *Parker, T. N.* Plans, specifications, estimates, and remarks on cottages. Oswestry. 8°. (13,653)
1837. *Robinson, P. F.* Designs for farm buildings, [including labourers' cottages, etc.]. 3rd ed. London. 4°. (865)
1848. *Hine, T. C.* Detailed drawings and specifications explanatory of the design for a labourer's cottage. [Prize model.] London. 4°. (1,031)
- — Prize model cottage.—Detailed working drawings, etc. London. 4°. (1,037)
- *Ricauti, T. J.* Sketches for rustic work; including . . . park and garden buildings, [cottages], etc. London. 4°. (1,040)
- *Weaver, H.* Hints on cottage architecture; being . . . designs for labourers' cottages . . . with . . . estimates. Bath. obl. fol. (1,033)
- 1849-50. *Allen, C. B.* Cottage building. London. 12°. (256)

COTTAGES—*continued.*

1855. *Agricultural Labourers' Dwellings Association, Edinburgh.* First annual report of the directors. Added, Practical hints on cottage building, with plans, etc. by W. Fowler. Edinburgh. 8°. (15,549)
1857. *Allen, C. B.* Treatise on cottage building. 3rd ed. London. 12°. (2,910)
- [188 ?] *Leaning, J.* Complete set of contract documents for a country lodge. London. fol. (21,415)
1885. *Tuthill, W.* The suburban cottage, its design and construction. New York. 8°. (19,753)

Cowls. *See* Stoves and Grates (*Chimney and ventilating-shaft tops*).

Cupolas or domes. *See* Domes.

DAMP PREVENTION IN BUILDINGS.

1845. *Eastlake, Str C. L.* On the means of preventing damp in walls. *Roy. Engineers, Corps of.* Papers. Vol. vii. Appendix ii. F 90: 844
1882. *Keim, A. W.* Die Feuchtigkeit der Wohngebäude, der Mauerfrass und Holzschwamm. Wien. sm. 8°. (10,637)
1901. — Die Feuchtigkeit der Wohngebäude, der Mauerfrass und Holzschwamm. 2te Aufl. Wien. sm. 8°. (27,507)
- — The prevention of dampness in buildings, with remarks on the causes, etc., of saline efflorescences and dry-rot. From the 2nd German ed., by M. J. Salter. London, 1902. sm. 8°. (28,433)

Dangerous structures, Remedying. *See* Buildings, Dangerous, Remedying.

Decentering arches. *See* Arches (*Centering and decentering*).

Decoration, House. *See* House decoration.

Design in architecture. *See* Architecture, etc. (*Historical and æsthetic*).

Designs, Architectural. *See* Architectural designs, etc.

DILAPIDATIONS.

1883. *Fletcher, B. F.* Dilapidations. 3rd ed. sm. 8°. (20,696)

Dioramas. *See* Panoramas.

Dispensaries. *See* Hospitals and other charitable institutions.

DOMES.

1770. *Patte, P.* Construction de la coupole projetée pour couronner la nouvelle Église de Saint Genéviève à Paris. Amsterdam. 4°. (10,804)

1809. *Brunet, F.* Dimensions des fers qui doivent former la coupole de la Halle aux Grains [Paris] calculés d'après la composition de M. Bélanger. Paris. fol. (650)

1877. *Schwedler, W.* Die Construction der Kuppeldächer. 2te Aufl. Berlin. fol. (19,800)

1901. *Brunelli, P. H.* Calcul et construction des coupoles métalliques réticulaires. Trad. de l'Italien par D. Mathieu. Paris. 8°. (27,886)

DOMESTIC ARCHITECTURE.

(*History.*)

1728. *Castell, R.* The villas of the ancients illustrated. London. 1ol. (439)

1836. *Habersbon, M.* The ancient half-timbered houses of England. London. fol. (856)

1845. *Richardson, C. J.* Studies from old English mansions. Third series. London. fol. (996)

1853-77. *Turner, T. H.* Some account of domestic architecture in England. Vol. i. (from Conquest to end of XIII. Cent., by T. H. Turner. 2nd ed. 1877). Vol. ii. (from Ed. I.-Rich. II., by J. H. Parker. 1853). Vol. iii. Pts. 1 and 2 (from Rich. II.-Henry VIII., by the same. 1859). Oxford. 3 vols. in four. 8°. (333)

1873. *Little, A.* Early New England interiors. Sketches in Salem, Marblehead, Portsmouth, and Kittery. Boston, Mass. obl. fol. (18,286)

1887-89. *Macgibbon, D., and Ross, T.* The castellated and domestic architecture of Scotland, from the 12th to the 18th Century. Edinburgh. 3 vols. 8°. (22,795)

1894. *Sanders, W. B.* Half-timbered houses, etc., of the 16th and 17th Centuries. London. fol. (26,164)

DOMESTIC ARCHITECTURE—*continued.**(General treatises.)*

1675. *Le Muet, P.* The art of fair building, represented in the figures of several uprights of houses, with their ground-plots, etc. Published by R. Pricke. 2nd ed. London. fol. (3,221)
1757. *Twelve designs of country houses.* Dublin. 8°. (8,730)
1767. *Crunden, J.* Convenient and ornamental architecture; consisting of original designs [for farm and other dwelling houses]. London. 4°. (499)
1785. *Macpaecke, J., pseud. [i.e., J. Parwick].* Οἰκίδια, or nutshells; being ichnographic distributions for small villas. London. 8°. (550)
1787. *Miller, J.* The country gentleman's architect. Designs for cottages, farm-houses, country-houses, etc. London. 4°. (3,676)
1793. *Middleton, C.* Picturesque and architectural views for cottages, farm houses, and country villas. London. fol. (18,222)
1807. *Pocock, W. J.* Architectural designs for rustic cottages, picturesque dwellings, villas, etc. London. 4°. (2,376)
1815. *Prout, S., and others.* Domestic architecture. A series of views of cottages and farmhouses. London. 4°. (2,428)
1818. *Papworth, J. B.* Rural residences, consisting of a series of designs for cottages, etc. London. 8°. (13,871)
1821. *Hedjeland, J.* Designs for private dwellings. Part 1. London. 4°. (18,806)
1823. *Flaw, J.* Sketches for country houses, villas, etc. New ed. London. 4°. (734)
1825. *Carlisle, N.* Hints on rural residences. London. 4°. (748)
1827. *Hunt, T. F.* Architectura Campestre; displayed in lodges, gardeners' houses, and other buildings, in the modern or Italian style. London. 4°. (711)
1838. *Robinson, P. F.* Designs for ornamental cottages and villas, with estimates. London. 4°. (880)
1839. *Loudon, J. C.* Encyclopædia of cottage, farm and villa architecture. [Including designs, estimates, specifications, and analytical and critical remarks.] New ed. London. 8°. (895)

DOMESTIC ARCHITECTURE—*continued.**(General treatises)*—*continued*

1841. *Hunt, T. F.* Hints on picturesque domestic architecture in a series of designs for . . . rural residences. 3rd ed. London. 4°. (924)
1843. *Fox, Lady M.* Friendly contributions for 1842. The country house, (with designs). London. 4°. (9,718)
- [1854.] *Sanderson, J.* Rural architecture; being a series of designs for rural and other dwellings, from the labourer's cottage to the small villa and farmhouse with out-buildings. London. 12°. (18,939)
1860. *Brooks, S. H.* Treatise on the erection of dwelling houses. London. 12°. (6,013)
1864. *Grammar.* The grammar of house planning: hints on arranging and modifying plans of cottages, street-houses, villas, etc. By an M.S.A., and M.R.A.S. Edinburgh. sm. 8°. (26,271)
- *Riddell, J.* Architectural designs for model country residences. Philadelphia. obl. fol. (7,811)
1867. *Puteaux, L.* Constructions civiles. Habitations. *Lacroix, E.* Études sur l'Exposition de 1867. Vols. 1, 4. 8°. (13,101)
- *Sloan, S.* Sloan's homestead architecture. Containing designs for villas, cottages, and farm houses. 2nd ed. Philadelphia. 8°. (13,126)
1868. *Villa and cottage architecture.* London. fol. (13,376)
1870. *Bogue, J. W.* Domestic architecture; being a series of designs for cottages and villas. Added, Handy hints on the internal arrangements and the sanitary contrivances of cottages and villas. Edinburgh. obl. 4°. (18,245)
1873. *Niernsee, J. R.* Report on the construction and embellishment of private dwellings in Vienna. *Vienna Univ. Exhibition, 1873: U.S. Comm. Reports.* Vol. iv. 1875. 8°. (17,905)
- *Richter, C. T.* Das bürgerliche Wohnhaus. Berichte. *Vienna Univ. Exhibition, 1873. Officieller Bericht.* Heft 73. 8°. (16,635)
- 1875-77. *Viollet-le-Duc, E. E., and Narjoux, F.* Habitations modernes. Paris. 2 vols. fol. (17,725)
1876. *Atwood, D. T.* Atwood's modern American homesteads. New York. 8°. (18,019)

DOMESTIC ARCHITECTURE—*continued.**(General treatises)*—*continued.*

1876. *Robson, G.* Modern domestic building construction, illustrated by plans, sections, elevations, and complete working details of a villa residence. Also a supplement on drainage, etc. London. fol. (17,907)
- *Woollett, W. M.* Villas and cottages, or homes for all. Plans, elevations, and views of twelve villas and ten cottages, etc. New York. obl. fol. (17,967)
1879. *Young, W.* Town and country mansions and suburban houses; with notes on the sanitary and artistic construction of houses. London. 4°. (18,723)
1880. *Stevenson, J. J.* House architecture. London. 2 vols. 8°. (19,118)
Vol. i. Architecture. Vol. ii. Planning, etc.
1883. *Lasius, G.* Hochbau und Einrichtung des Hauses. *Schweizerische Landesausstellung, 1883. Berichte. Gruppe 19.* 1884. 8°. (23,052)
1884. *Edis, R. W.* Building of town houses: their arrangement, aspect, design, and general planning. *Society of Arts. Cantor lectures.* [Vol. 2.] B 51: 872
1885. *Hittenkofer, —.* Die deutsche Villa. In Bezug auf die Bestimmung, Grösse, Moblierung, etc. 2te Aufl. Leipzig. sm. 8°. (6,204)
- — Das freistehende Familien-Wohnhaus. 2te Aufl. Leipzig. sm. 8°. (8,211)
- [1886.] *Price, B.* Modern architectural practice. No. 1. A large country house. New York. fol. (20,724)
1889. *Gibson, L. H.* Convenient houses, with fifty plans. New York. 8°. (22,394)
1891. *Faucher, L., and Richard, —.* Les habitations. *Richard, J. Encyclopédie d'Hygiène, etc. Tome 3.* 8°. (23,448)
1894. *Emmerich, R.* Die Wohnung. *Pettenkofer, M. von, and Ziemmsen, H. von.* Handbuch der Hygiene. etc. Theil i. Abt. 2. Heft 4. 8°. (20,988)
1896. *Nussbaum, C.* Das Wohnhaus. *Weyl, T.* Handbuch der Hygiene. Band iv. Abt. 2. Lief. ii. 8°. (24,547)
1899. *Coleman, O.* Successful houses. Chicago, etc. sm. 4°. (26,186)

DOMESTIC ARCHITECTURE—*continued.**(General treatises)*—*continued.*

1899. *Sutcliffe, G. L., and others.* The principles and practice of modern house construction. Edited by G. L. Sutcliffe.

Contents:

- i. Plan.
- ii. Construction.
- iii. Water supply.
- iv. Domestic water-supply
- v. Household filters.
- vi. Sanitary plumbing.
- vii. Sanitary fittings.
- viii. Drainage.
- ix. Sewage-disposal.
- x. Warming.
- xii. Ventilation.
- xiii. Lighting.
- xv. The sanitary aspect of decoration and furniture.

London. 2 vols. in five. 4°. (26,292)

1902. *Weissbach, K.* Wohnhäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 2. Heft 1. 8°. (22,285)

DOMESTIC HYGIENE AND SANITATION.

1854. *Bardwell, W.* Healthy homes and how to make them. London. 8°. (6,256)
1864. *Godwin, G., and Brown, J.* Another blow for life. London sm. 4°. (13,459)
1872. *Eassie, W.* Healthy houses: a handbook to the history, defects, and remedies of drainage, ventilation, warming, etc. London. sm. 8°. (15,774)
1874. — Sanitary arrangements for dwellings. London. sm. 8°. (16,666)
1877. *Waring, G. E.* The sanitary condition of city and country dwelling-houses. New York. 12°. (18,341)
1878. *Russell, J. A.* Sanitary houses. Two lectures. Edinburgh. 8°. (10,535)
1879. *Corfield, W. H.* Dwelling houses: their sanitary construction and arrangements. *Society of Arts.* Cantor lectures. [Vol. 2.] B 51: 872

DOMESTIC HYGIENE AND SANITATION—*continued.*

1880. *Wilson, G.* Healthy life and healthy dwellings. London. sm. 8°. (12,057)
- 1881-83. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 4 and 5.

Contents.

Fischer, H. Künstliche Beleuchtung der Räume. Heizung und Lüftung der Räume.

Salbach, B. Wasserversorgung der Gebäude.

Lamcke, E. R., Marx, E., and Schmitt, E. Koch-, Spül-, Wasch- und Bade-Einrichtungen.

Knauff, M., Salbach, B., and Schmitt, E. Entwässerung und Reinigung der Gebäude. Ableitung des Haus-, Dach- und Hofwassers. Abort- und Pissoirs. Entfernung der Fecalstoffe aus den Gebäuden.

8°. (22,285)

1881. *Teale, T. P.* Dangers to health: a pictorial guide to domestic sanitary defects. 3rd ed. London. 8°. (11,901)
1883. *Murphy, S. F., and others.* Our homes and how to make them healthy. Edited by S. F. Murphy.

Contents.

Health in the home: architecture; internal decoration; lighting; warming and ventilation; house-drainage; defective sanitary appliances and arrangements; disposal of refuse by dry methods; water; the nursery; house-cleaning; sickness in the house; legal liabilities.

London. 8°. (17,212)

1886. *Vaughan, T. C.* Healthy homes and foods for the working classes. *American Public Health Association.* Lomb Essays. No. 1. 8°. (15,592)
- 1887-95. *Spataro, D.* Igiene delle abitazioni. Vol. i. Fognatura domestica, 1887. Vol. ii. Igiene delle acque, 1891. Vol. iii. Provvista, etc. delle acque, 1892-95. Milano. 3 vols. in five. 8°. (23,360)
1889. *Colyer, F.* Treatise on water supply, drainage, and sanitary appliances for residences. London. sm. 8°. (21,839)
1890. *Bissell, M. T.* Household hygiene. New York. sm. 8°. (23,023)
- *Gerhard, W. P.* Architecture and sanitation. [New York.] 12°. (8,310)

DOMESTIC HYGIENE AND SANITATION—*continued.*

1894. *Corfield, W. H.* Dwelling houses: their sanitary construction and arrangements. 3rd ed. London. sm. 8°. (23,644)
- *Taylor, A. J. W.* The sanitary arrangement of dwelling houses. London. sm. 8°. (24,641)
1895. *Albrecht, H.* Wohnungsstatistik und Wohnungsenquete. *Weyl, T.* Handbuch der Hygiene. Bd. iv. 8°. (24,547)
- *Oldendorff, A.* Einfluss der Wohnung auf die Gesundheit. *Ibid.* 8°. (24,547)
1896. *Hueppe, F.* Bakteriologie und Biologie der Wohnung. *Ibid.* 8°. (24,547)

Doors. *See* Carpentry; Theatres (*for* trapdoors); Walls and wall openings.

Doors, Fireproof. *See* Fireproof construction.

Drawing, Architectural. *See* Architectural drawing.

Drawings and designs, Architectural. *See* Architectural designs and drawings.

Drying buildings. *See* Damp prevention in buildings.

Dry-rot. *See* Wood preserving; Dry-rot.

Dwelling-houses. *See* Domestic architecture.

EARTHQUAKE-RESISTING CONSTRUCTION.

1884. *Spillner, E.* Sicherungen gegen . . . Bodensenkungen und Erderschütterungen. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 6. 8°. (22,285)

EDUCATIONAL BUILDINGS.

(*History.*)

1816. *Ackermann, R.* History of the colleges of Winchester, Eton, and Westminster: with the schools of St. Paul's, etc. [Illustrated by A. Pugin and others.] London. 4°. (8,683)

EDUCATIONAL BUILDINGS—*continued.*

(Construction.)

1848. *Barnard, H.* School architecture. 2nd ed. New York. 8°. (1,039)
1851. *Thomas, W. C.* Suggestions for a Crystal College or New Palace of Glass. [With plans of buildings.] London. 8°. (18,276)
1859. *Johannot, J.* Country school houses. New York. 8°. (7,322)
1867. *Prausek, V.* Das Volksschulwesen. *Paris Univ. Exhibition, 1867: Austrian Comm. Berichte.* Heft ii. 8°. (13,249)
1874. *Robson, E. R.* School architecture. London. 8°. (16,578)
- 1882-83. *Planat, P.* Construction, etc. des salles d'asile et des maisons d'école. Vol. 1-3. [Cours de construction civile. Serie ii.] Paris. 3 vols. in one. 4°. (10,218)
1887. *Hittenkofer, —.* Der Schulhausbau in Bezug auf konstruktive Gestaltung und praktisch-Gesundheitspflege. 2te Aufl. Leipzig. sm. 8°. (18,251)
- *Robins, E. C.* Technical school and college building being a treatise on the design and construction of applied science and art buildings. London. 4°. (21,010)
1888. Hochschulen: zugehörige und verwandte wissenschaftliche Institute.
- Eggert, H.* Universitäten
- Körner, C.* Technische Hochschulen.
- Junk, C., and Schmitt, E.* Physikalische und chemische Institute. Mineralogische und geologische, botanische und zoologische Institute
- Tiedemann, L. von.* Medicinische Lehranstalten der Universitäten.
- Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 2. 8°. (22,285)
1889. Niedere und höhere Schulen.
- Behnke, G.* Schulbauwesen im Allgemeinen. Volksschulen und andere niedere Schulen.
- Schmitt, E.* Niedere technische Lehranstalten und gewerbliche Fachschulen. Mittlere technische Lehranstalten. Höhere Mädchenschulen. Sonstige höhere Lehranstalten.
- Lang, H.* Gymnasien und Real-Lehranstalten.
- and *Schmitt, E.* Lehrer- und Lehrerinnen-Seminare.
- Wagner, H.* Pensionate und Alumnate.
- Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 1. 8°. (22,285)

EDUCATIONAL BUILDINGS—*continued.**(Construction)*—*continued.*

1894. *Schmitt, E.* Hochschulen (Universitäten und technische Hochschulen) mit bes. Berücksicht. der indirecten Beleuchtung von Hör- und Zeichensälen. *Fortschritte a. d. G. der Architektur.* No. 4. F 70: 894
- 1895, etc. *Hinträger, C.* Die Volkshulhäuser in den verschiedenen Ländern. *Ibid.* Heft 8, 12, etc. F 70: 894
1895. *Schmitt, E.* Naturwissenschaftliche Institute der Hochschulen und verwandte Anlagen. *Ibid.* No. 7. F 70: 894
1899. *Briggs, W. R.* Modern American school buildings. New York. 8°. (26,838)
1901. *Schaupert, C.* and *Walther, C.* Kunst- Akademien und Kunstgewerbeschulen. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 3. 8°. (22,285)

(Hygiene.)

1882. *Erismann, F.* Die Hygiene der Schule. *Pettenkofer, M. von,* and *Ziemssen, H. von.* Handbuch der Hygiene, etc. Theil ii. Abt. 2. 8°. (20,988)
1886. *Lincoln, D. F.* The sanitary conditions and necessities of school-houses and school life. *American Public Health Association.* Lomb essays. No. 2. 8°. (15,592)
- *Rietschel, H.* Lüftung und Heizung von Schulen. Berlin. 8°. (4,918)
- *Roth, W. E.* Elements of school hygiene. With a bibliography. London. sm. 8°. (20,999)
1887. *Newsholme, A.* School hygiene. The laws of health in relation to school life. London. sm 8°. (20,619)
1891. *Reed, R. H.* Original investigations on the heating and ventilation of school buildings. [Reprint.] Chicago. 8°. (8,037)
1894. *Behnke, G.* Die Gasofen-Heizung für Schulen. *Fortschritte a. d. G. der Architektur.* No. 1. F 70: 894
1895. *Burgerstein, L.,* and *Netolitzky, A.* Handbuch der Schulhygiene. *Weyl, T.* Handbuch der Hygiene. Bd. vii. Abt. I. 8°. (24,547)

EIFFEL TOWER.

- [1889.] *Nansouty, M. de.* La Tour Eiffel. Historique et description. Paris. sm. 8°. (21,649)

ELECTRIC HEATING AND COOKING.

1895. *Houston, E. J., and Kennelly, A. E.* Electric heating. New York. sq. 8°. (2,011)
1899. *Claremont, E. S.* Warming and cooking by electricity. *Sutcliffe, G. L.* Principles, etc., of modern house construction. Div. Vol. iv. 4°. (26,292)
- *Voigt, H.* Kochen und Heizen mittels des elektrischen Stromes. Halle a. S. 8°. (26,549)
- [1902.] *Williams, H. L. T.* Das elektrische Heizen und Kochen. Auma. 8°. (28,475)

Exchanges. *See* Mercantile buildings.

EXHIBITION BUILDINGS.

1852. *Downes, C., and Couper, C.* The building erected in Hyde Park for the Great Exhibition, 1851. From working drawings. London. 4°. (1,080)
1873. *Bridges, L.* Report on the buildings of the Exhibition, etc. *Vunna Univ. Exhibition, 1873: U.S. Comm. Reports.* Vol. iv. 1876. 8°. (17,905)
- [1890.] *Farge, L.* Les constructions Françaises et étrangères a l'Exposition Universelle de 1889. Paris. fol. (22,517)
1893. *Messel, A.* Ausstellungsbauten. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 4. 8°. (22,285)
1900. *Paris Universal Exhibition, 1900: British Comm.* The Royal pavilion. [A reproduction of The Hall, Bradford-on-Avon.] By I. Spielmann. London, 1901. fol. (28,169)

FACTORIES.

(*Construction and Equipment.*)

1843. *Arct, J. P. J. d'.* Collection de mémoires relatifs à l'assainissement des ateliers, des édifices publics, et des habitations particulières. Mis en ordre par P. Grouvelle. Texte et atlas. Paris. 2 vols. in one. 4°. (14,195)

FACTORIES—*continued.**(Construction and Equipment)*—*continued.*

1882. *Hirt, L.* Fabriken. *Pettenkoffer, M. von.,* and *Ziemssen, H. von.* Handbuch der Hygiene, etc. Theil ii. Abt. 2. 8°. (20,988)
- *Schinz, C.* Die Heizung und Ventilation in Fabrikgebäuden und die Einrichtung von Trocknungs-Apparaten. 3te Ausg. Leipzig. 8° and 4° atlas. (19,666)
- *Thwaite, B. H.* Our factories, workshops, and warehouses, their sanitary and fire-resisting arrangements. London. sm 8°. (19,074)
1886. *Ireland, G. H.* The preventible causes of disease, injury, and death in American manufactories, etc., and the best means and appliances for preventing and avoiding them. *American Public Health Association.* Lomb essays. No. 4. 8°. (15,592)
1887. *Porée, H.,* and *Livache, A.* Traité . . . des manufactures et ateliers dangereux, insalubres ou incommodes. Paris. 8°. (20,926)
1888. *Rebber, W.* Anlage und Einrichtung von Fabriken. Weimar. 8°. (21,467)
- 1891, etc. *London County Council.* Bye-laws and regulations. [Offensive trades, etc.] London. fol. (25,607)
- 1894-97. *Roth, E.,* and others. Gewerbehygiene, mit bes. Rücksicht auf Fabrikgesetzgebung, Unfallschutz und Wohlfahrtseinrichtungen. *Weyl, T.* Handbuch der Hygiene. Bd. viii. Lief. 1. 8°. (24,547)
- [1901.] *Mamy, H.* Comment on defend les ouvriers contre les éclats et les poussières de l'atelier. [With description of spectacles, respirators, and ventilators.] Paris. sm. 8°. (27,711)

(Prevention of Accidents.)

1889. *Gesellschaft zur Verhütung von Fabrik-Unfällen.* Sammlung von Vorrichtungen, etc. (*French-German-English.*) Mülhausen. fol. (22,410)
- 1889-90. *Platz, R.* Die Unfall-Verhütungs Vorschriften. Berlin. 2 vols. in one. 8°. (1,756)
1891. *Kraft, M.* Fabrikshygiene. Darstellung der neuesten Vorrichtungen und Einrichtungen für Arbeiterschutz und Wohlfahrt. Band i. (*all pub.*). Wien. 8°. (25,117)
1896. *Albrecht, H.* Handbuch der praktischen Gewerbehygiene mit bes. Berücksicht. der Unfallverhütung. Berlin. 8°. (24,810)

FACTORIES—*continued.*

(*Prevention of Accidents*)—*continued.*

1899. *Calder, J.* The prevention of Factory accidents. [Safe guarding of machinery, etc.] London. sm. 8°. (26,775)
1900. *Home Office.* Mill gearing and the management of belts. Prevention of accidents. Transl. by G. J. Williams from a pamphlet issued by the Assoc. des Industriels de France contre les Accidents du Travail. London. fol. (27,403)
1901. *Razous, P.* La sécurité du travail dans l'industrie. Moyens préventifs contre les accidents d'usines et d'ateliers. Paris. 8°. (27,562)
- 1902, etc. *France: Ministère du Commerce.* Recueil de documents sur les accidents du travail. No. i. Lois, règlements et circulaires (Jan 1902). Paris. 8°. (28,408) *In progress.*
1902. *Mamy, H.* Appareils de sécurité. *Haton de la Goupillière, J. N.* La mécanique à l'exposition de 1900. Tome ii. Livr. 9. fol. (27,147)

(*Periodicals.*)

- 1878, etc. *Home Office.* Factories and workshops. Reports. London. H 20: 878 and H 20 896

Farmhouses. *See* [Agricultural buildings]; Domestic architecture.

FENCES AND GATES.

- [1792 ?] *Middleton, C.* Designs for gates and rails suitable to parks, pleasure grounds, balconys, etc. Also some designs for trellis work. London. 8°. (601)
1801. *Parker, T. N.* Essay concerning the hanging and fastening of gates and wickets. London. 8°. (10,750)
- — Same. 2nd ed. London, 1804. 8°. (627)
1850. *Young, C. D.* On the system of wire fencing, gates, etc., as manufactured by C. D. Young and Co. With catalogue. Edinburgh. 8°. (8,812)
- [188 ?] *Automatic Fence Loom Co.* The fence industry. New York. obl. 16°. (4,980)
1883. *Scott, J.* Farm roads, fences, and gates. London. 12°. (11,938)

FENCES AND GATES—*continued.*

1887. *Martin, G. A.* Fences, gates, and bridges New York. sm. 8°. (21,354)
1891. *Ewerbeck, F., and Schmitt, E.* Einfriedigungen, etc. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 2. 8°. (22,285)
1899. *Vernon, A.* Estate fences, their choice, construction and cost. With a chapter on boundaries and fences in their legal aspect, by T. W. Marshall. London. 8°. (26,312)

Ferro-concrete. *See* Cements, Building (*Armoured cements*).

FIRECLAYS AND FIRE-BRICKS.

1861. *Percy, J.* Metallurgy: the art of extracting metals from their ores, etc. [Div. I. Fire-clays, etc.] London. 8°. (6,689)
1867. *Chandelon, A.* Produits réfractaires. *Paris Universal Exhibition, 1867: Rapports du Jury International.* Classe 51. Sect. vi. 1868. 8°. (13,828)
1875. *Percy, J.* Metallurgy: the art of extracting metals from their ores, etc. [Div. I. Refractory materials, etc.] Revised ed. London. 8°. (17,069)
1876. *Bischof, C.* Die feuerfesten Thone; deren Vorkommen, etc., mit Berücksicht. der feuerfesten Materialien überhaupt. Leipzig. 8°. (17,781)
1886. *Adami, L.* I combustibili fossili, i materiali refrattari e l'industria siderurgica all' Esposizione Nazionale di Torino nel 1884. [Supplement to the "Revista d'artiglieria e genio."] Roma. 8°. (20,418)
- *Cook, R. A.* The manufacture of fire-brick at Mount Savage, Maryland. [Excerpt.] Pittsburg. 8°. (20,294)
1890. *Keller, R.* Ueber die Fabrikation und Anwendung feuerfester Steine. 2te Aufl. von C. Bischof. Aachen. 8°. (22,330)
1895. *Bischof, C.* Die feuerfesten Thone; deren Vorkommen, etc., mit Berücksicht. der feuerfesten Materialien überhaupt. 2te Aufl. Leipzig. 8°. (24,756)
1897. *Scxton, A. H.* Fuel and refractory materials. London. sm. 8°. (27,646)

Fireplaces, Domestic. *See* Stoves and grates.

FIREPROOF CONSTRUCTION.

- [1756] *Espie, F. F. Comte d.* The manner of securing all buildings from fire; or a treatise upon the construction of arches made with brick and plaister, called flat-arches and of a roof without timber, called a bricked roof, etc. From the French by L. Dutens. London. 8°. (7,007)
1772. *Cmtly, W.* Nature, philosophy, and art in friendship. Added, six letters on interesting subjects. [Fire-proof construction, etc.] London. 8°. (19,055)
- — Same. 2nd ed. London, 1775. 8°. (528)
- *Hartley, D.* An account of the fire at Richmond House on the 21st December, 1791, and on the efficacy of the fire-plates on that occasion. [Letters Patent No. 1037 of 1773.] London. 8°. (18,275)
1815. Of the means of guarding dwelling houses by their construction against accidents by fire. *Pamphletter*. Excerpta. [No. ix.] 8°. (5,514)
1839. *Bartholomew, A.* Hints relative to the construction of fire-proof buildings. London. 8°. (8,852)
1844. *Fairbairn, W.* Report on the construction of fire-proof buildings; with introductory remarks by S. Holme. Liverpool. 8°. (3,617)
1850. *Fox and Barrett.* Method of constructing the floors, ceilings and roofs of buildings. [H. H. Fox's Patent No. 19047 of 1844.] London. 8°. (28,098)
Advocates use of iron joists and fireproof materials.
1875. *Scheibhaugel, L.* Alojamiento incombustibles . . . sistema de M. Tallet. *Memorial de Ingenieros*. 2a época. Tome xxx. F 96 : 846
1884. *Spillner, E.* Sicherungen gegen Feuer, Blitzschlag, etc. *Darm J. Handbuch der Architektur*. Theil iii. Band 6. 8°. (22,285)
1888. *Sulman, J.* The fireproofing of city buildings. Sydney. 8°. (3,357)
- [189 1] *Roebing Construction Co.* The Roebing system of fire-proof construction. New York. obl. 8°. (27,962)
1891. *Webster, J. J.* Fire-proof construction. [Excerpt.] London. 8°. (10,595)
1892. *Moore, F. C.* Economical fire-resisting construction. Revised ed. New York. 8°. (11,499)
1895. *Hamburg, Senate.* Vergleichende Versuche über die Feuersicherheit von Speicherstützen. *Commissions-Bericht*. Hamburg. 4°. (25,310)
1896. *Reed, S. A.* Work . . . on fire-proofing tests. *Franklin Institute*. Reprints. [Vol. 2.] B 62 : 886

FIREPROOF CONSTRUCTION—*continued.*

1897. *Purdy, C. T.* Can buildings be made fire-proof? [Excerpt.] [New York.] 8°. (26,238)
- 1898, etc. *British Fire Prevention Committee.* Publications. London F 48: 898
For a list of publications see last number.
- *Sachs, E.* Facts on fire prevention: the results of fire tests conducted by the British Fire Prevention Committee. London. 1902. 2 vols. 8°. (28,972)
A reissue of preceding work.
1899. *Freitag, J. K.* The fireproofing of steel buildings. New York. 8°. (26,842)
- [1899.] *Roebing Construction Co.* Tests of the Roebing system of fire-proof construction. New York. 8°. (27,061)
- [1901.] *American Fireproofing and Cement Construction Co.* The De Man system of fire-proof construction. New York. sm 8°. (28,717)

Fire-proof materials and compositions. See [Asbestos; Finishing yarns and fabrics]; Fire-clays and fire-bricks; [Fire prevention and extinction]; Fire-proof construction; Slagwool; [Water-glass]; Wood, Fireproofing.

FLOORS AND CEILINGS.

- [18 ?] *School of Military Engineering, Chatham.* Lectures. Wooden floors. [Anon.] 8°. (23,289)
1886. *Jentzen, E.* Baumechanik mit bes. Rücksicht auf die Berechnung der Träger und Stützen aus Holz und Eisen. Hamburg. sm. 8°. (21,009)
1894. *Schacht, A., and Schmitt, E.* Verglaste Decken und Deckenlichter. *Fortschritte a. d. G. der Architektur.* No. 2. F 70: 894
1895. *Barkhausen, G.* Balkendecken. *Durm, J. Handbuch der Architektur.* Theil iii. Bd. 2. Heft 3. 8°. (22,285)
- — Sonstige Decken-Constructions. *Ibid.* 8°. (22,285)
- *Schacht, A., and Schmitt, E.* Verglaste Decken und Deckenlichter. *Ibid.* 8°. (22,285)
- [1898.] *Comstock, C. H.* Parquetry: past and present. [Paper read.] [Cincinnati.] 8°. (26,013)
1901. *Barkhausen, G.* Balkendecken. *Durm, J. Handbuch der Architektur.* 2te Aufl. Theil iii. Bd. 2. Heft 3a (28,712)
1903. *Koch, H.* Ausbildung der Fussboden-, Wand- und Deckenflächen. *Durm, J. Handbuch der Architektur.* Theil iii. Band 3. Heft 3. 8°. (22,235)

FOUNDATIONS.

(General treatises.)

1850. *Dobson, E.* Treatise on foundations and concrete works. London. 12°. (2,727)
1878. *School of Military Engineering, Chatham.* Subsoil drainage, foundations, etc. By W. R. Slacke. Chatham. fol. (23,275)
1879. *Klasen, L.* Handbuch der Fundirungs-Methoden im Hochbau, Brückenbau und Wasserbau. Leipzig. 8°. (19,884)
1883. *Haslen, J.* Railway masonry and bridge foundations. Chicago. sm. 8°. (11,573)
1884. *Powell, G. T.* Foundations and foundation walls. With a treatise on foundations, by F. Baumann. [2nd ed.] New York. 8°. (5,219)
1886. *Schmitt, E.* Fundamente. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 1. Abt. 2. 8°. (22,285)
- 1887-95. *Brennecke, L.* Der Grundbau. *Handbuch der Baukunde.* Abt. iii. Heft 1. Th. i.-ii. 8°. (22,321)
1893. *Pattin, W. M.* Practical treatise on foundations. New York. 8°. (23,924)
1896. *Howe, M. A.* Retaining walls for earth. With a short treatise on foundations. 5rd ed. New York sm. 8°. (3,360)
1900. *Willmann, I. von.* Der Grundbau. *Handbuch der Ingenieurwissenschaften.* 3te Aufl. Band i. Abt. 3. 8°. (27,558)

(Pneumatic methods.)

1851. *Hughes, J.* On the pneumatic method adopted in constructing the foundations of the new bridge across the Medway at Rochester. London. 4°. (10,023)
1850. *Anspach, L.* Notice sur les fondations par l'air comprimé, etc. Bruxelles. 8°. (23,012)
1895. *Hersent, H.* Note sur l'emploi de l'air comprimé pour l'exécution des ouvrages hydrauliques, et spécialement des fondations. Paris. 4°. (24,664)
1896. *Zschokke, C.* Druckluft-Gründungen. *Fortschritte der Ingenieurwissenschaften.* Gruppe I. Heft 1. E 20: 892a
1900. —. Druckluftgründungen. *Handbuch der Ingenieurwissenschaften.* 3te Aufl. Band i. Abt. 3. 8°. (27,556)

FOUNDATIONS—*continued.*

(Other methods.)

1849. *Bentham, Sir S.* On the mode of forming foundations under water and on bad ground. *Weale, J.* Quarterly papers on engineering. Vol. vi. E 20: 844
- — Same. Another copy. 1849. 4°. (249)
1850. *Abbott, Sir F.* Practical treatise on permanent bridges for Indian rivers. 2nd ed. With a description of the use of wells for foundations, by P. T. Cautley. [Reprint.] Agra. 8°. (1,730)
1872. *Login, T.* Login's patent method of protecting foundations. [Indian Patent No. 596 of 1872.] Umballa. 8°. (15,699)
1889. *Kinipple, W. R.* Subaqueous foundations. *Roy. Engineers, Corps of.* Prof. Papers. Vol. xv. F 91: 844
1893. *Newman, J.* Notes on cylinder bridge piers and the well system of foundations. London. 8°. (23,694)
1894. — Foundations in sand. *Roy. Engineers, Corps of.* Prof. Papers. Vol. xx. F 90: 844
1896. *Meyer, G.* Der Grundbau unter Ausschluss der Druckluftgründungen. *Fortschritte der Ingenieurwissenschaften.* Gruppe I. Heft 2. E 20: 892a

FOUNTAINS.

1624. *Caus, S. de.* Les raisons des forces mouvantes avec diverses machines, etc. Avec plusieurs desseins de grottes et fontaines. Paris. fol. (9,217)
- [1664.] *Bücker, G. A.* Architectura curiosa nova: das ist . . . Bau- und Wasser-Kunst, etc. Nürnberg. fol. (3,165)
1691. *Rossi, G. G.* Le Fontane di Roma. [Parte i-iv.] Disegnate et intagliate da G. B. Falda and G. F. Venturini. Roma. obl. fol. (405)
1845. *Roe, F.* The handbook of fountains, and a guide to the Gardens of Versailles. *London International Exhibition of 1851.* Prospectuses of Exhibitors, vol. 2. (1,127)
1857. *Dumas, J.* Der Brunnen- Ingenieur. Übersetzt von C. H. Schmidt. Weimar. 12°. (6,779)
1871. *Petermann, C.* Anlage und Ausführung von Brunnen und Wasserleitungen. Stuttgart. 4°. (16,082)
1894. *Dyrion, L.* Mécanisme de la Fontaine de Vaucluse et moyen d'en régulariser le débit. [Reprint.] Paris. 8°. (24,405)

FURNACES.

(Kilns.)

1766. *Fourcroy de Ramecourt, C. R.* Art du chaudiernier. Acad. des Sciences, Paris. Description des Arts et Métiers, etc. Tome v. fol. (2,192)
1835. *Wilds, W.* Art of building cottages, etc. Added, treatise on the manufacture of . . . lime. London. 8°. (13,528)
1866. *Schlesinger, I.* Der Bau der Ziegelbrennöfen. Nebst . . . Beschreibung der . . . Ringöfen mit immerwährendem Betriebe von Hoffmann und Licht. Berlin. 4°. (7,432)
1876. *Liebold, R.* Die neuen continüirlichen Brennöfen zum Brennen von Ziegelsteinen, Thonwaaren, Chamotte-, Zement- und Kalksteinen. Halle a. S. 4°. (17,659)
1877. *Stegmann, H.* Die Bedeutung der Gasfeuerung und Gasöfen für das Brennen von Porzellan, Thonwaaren, Ziegelabriakaten, Zement, Kalk, sowie für das Schmelzen des Glases. Berlin. 8°. (17,759)
1881. *Eckhart, A.* Die Konstruktion von Brennöfen für Ziegeleien und Thonwaaren-Fabriken. Leipzig. sm. 8°. (8,245)
1896. *Bröms, F.* Die Ofen- und Glasorfabrikation nach dem jetzigen Stande dieser Industrie. Mit bes. Berücksicht. der weissen und farbigen Schmelzöfen. 2te Aufl. Weimar. sm. 8°. (4,206)

(— *Periodicals.*)

1901, etc. Ofen-Industrie. Nürnberg. K 71 : 901a

Galvanized-iron construction. *See* Sheet metal construction.

GAMES AND SPORTS.

(Special Buildings and Appliances for.)

1885. Baulichkeiten für den Sport.

Reinhardt, R. Reit- und Rennbahnen.*Lieblein, J.* Schiessstätten und Schützenhäuser.

— Kegelbahnen.

— and *Wagner, H.* Eis- und Röllschlittschubbahnen. Anlagen für Ballspiel und verwandten Sport.*Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)

GAS, HEATING AND COOKING BY;

1871. *Ohren, M.* On the advantages of gas for cooking and heating. London. sm. 8°. (16,143)
1880. *Fletcher, T.* The use of gaseous fuel with special reference to laboratory furnaces. [Reprint.] 8°. (12,400)
1881. *Adams, J.* On the heating power of coal gas. London. 8°. (22,065)
1882. *Fletcher, T.* Economy of fuel for domestic purposes. With the use of gas as a workshop tool. Two lectures. Warrington. 5°. (11,619)
1885. *Wobbe, J. G.* Die Verwendung des Gases zum Kochen, Heizen und in der Industrie. Mit Abbildungen. München. 8°. (21,093)
1888. *Fletcher, T.* Coal gas as a labour-saving agent in the mechanical trades. Warrington. 8°. (1,630)
1890. — Coal gas as a fuel. A concise guide to fitters and users. Warrington. 8°. (12,411)
1892. — Coal gas as a fuel. A guide to fitters and users. [4th ed.] Liverpool. 16°. (15,906)
- [1897.] — The commercial uses of coal gas. Supplement to "Coal gas as a fuel." Warrington. 16°. (10,070)
- [1898.] *Kern, G.* Théorie du chauffage au gaz et son application. [Excerpt.] [Mulhouse.] 8°. (26,414)
1899. *Magnier, D.* Manuel de l'éclairage et du chauffage au gaz. Nouv. éd. par E. Bancelin. 2 vols. 12°. (26,377)

Gates. *See* Fences and gates ; Walls and wall openings.

Glass roofs. *See* Roofs and roofing (*Metal and glass*).

GLAZING.

- [1615.] *Shaw, H.* Booke of sondry draughtes, principaly serving for glaziers, and not impertinent for plasterers and gardeners. [A reprint in part of the work of W. Gedde, with additions.] London. 1848. sm. 4°. (5,810)
1835. *Cooper, W.* The crown glass cutter and glazier's manual. Edinburgh. sm. 8°. (15,938)
1838. *Plumber.* The plumber, painter, and glazier. London. 12°. (11,080)

GLAZING—*continued.*

1849. *Franks, Sir A. W.* A book of ornamental glazing quarries. London. 8°. (6,161)
- [1850 ?] *Riffault des Hêtres, J. R. D., and Vergnaud, A. R.* Manuel du peintre en bâtiments, vitrier, doreur, etc. Nouv. éd. Paris. 18°. (4,546)
1898. *Aucamus, E.* Menuiserie, etc. [Pt. 5. Vitrierie.] Paris. sm. 8°. (17,805)

Graining. *See* Marbling and graining.

GRANITE.

1888. *Harris, G. F.* Granites and our granite industries. London. sm. 8°. (21,144)

Grates. *See* Stoves and grates.

GYMNASIA.

1882. *Osthus, G.* Die Turnhallen und Turnplätze der Neuzeit in Anlage und Einrichtung. Leipzig. sm. 8°. (6,102)
1889. *Lindheimer, O.* Turnanstalten. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 1. 8°. (22,285)

Gypsum, Manufacture of. *See* Plastering and plasters.

Half-timbered houses. *See* Domestic architecture (*History*).

Halls, Public. *See* Theatres and public halls.

Handrailing. *See* Stair-building, etc.

HEATING AND VENTILATING BUILDINGS.

(*History.*)

1901. *Krell, O.* Altromische Heizungen. München. 8°. (28,615)

HEATING, AND VENTILATING BUILDINGS—*continued*

(General treatises.)

1777. *Walker, A.* A philosophical estimate of the causes, effects, and cure of unwholesome air in large cities. With mode of supplying with warm, or cool air, churches, theatres, prisons, hospitals, ships, etc. London. 8°. (11,633)
1794. *Whitehurst, J.* Observations on the ventilation of rooms; on the construction of chimneys; and on garden stoves. London. 4°. (15,918)
1815. *Chabannes, J. B. M. F., Marquis de.* Explanation of a new method of warming and purifying the air in houses, etc. [Letters Patent No. 3,963 of 1815.] London. 8°. (9,223)
1818. — On conducting air by forced ventilation and regulating the temperature in dwellings [and other buildings, mines, ships, greenhouses, hot-beds], etc. London. 8°. (695)
- — Appendix to the above. Being a continuation of the description of the patent apparatus for warming and cooling air and liquid, etc. [Letters Patent No. 4,192 of 1817.] London. [1818?] 8°. (19,049)
1819. *Sylvester, C.* The philosophy of domestic economy as exemplified in mode of warming, ventilating, washing, drying, cooking etc., in the Derbyshire General Infirmary. Nottingham. 4°. (706)
1822. *Gilbert, D.* On the ventilation of rooms. [Excerpt.] London. 8°. (12,240)
- [1828?] *Stratton, G.* Patent calorific ventilator for supplying . . . places of public resort, . . . manufactories, . . . residences, hot-houses, etc., with . . . pure . . . warm atmospheric air. [Letters Patent No. 5,690 of 1828.] London. 12°. (18,938)
1829. *Bernan, W.*, [pseud., i.e., *R. S. Melkleham*]. Observations on ventilating and warming public edifices, dwelling-houses, hot-houses, conservatories, etc. 2nd ed. London. 8°. (13,906)
1836. *Tredgold, T.* The principles of warming and ventilating public buildings, dwelling-houses, manufactories, hospitals, hot-houses, conservatories, etc.; with remarks on the nature of heat and light. 3rd ed. With appendix by T. Bramah on heating by means of warm water, etc. London. 8°. (860)

HEATING AND VENTILATING BUILDINGS—continued.

(General treatises)—continued.

1837. *Hood, C.* Treatise on warming buildings by hot water, and an inquiry into the laws of radiant and conducted heat. Added, remarks on ventilation, etc. London. 8°. (16,159)
1838. *Arnott, N.* On warming and ventilating, with direction for making the thermometer stove or self-regulating fire. London. 8°. (886)
1839. *Richardson, C. J.* A treatise on the warming and ventilation of buildings. 2nd ed. London. 8°. (14,317)
1843. *Spencer, G.* On the system of combining mechanical ventilation with warming by steam heat, as adapted to public buildings. *Roy. Engineers, Corps of Papers*. Vol. vi. F 90: 844
1844. *Hood, C.* Treatise on warming buildings by hot water; on ventilation and the various methods of distributing artificial heat; and an inquiry into the laws of radiant and conducted heat. 2nd ed. London. 8°. (962)
- *Reid, D. B.* Illustrations of the theory and practice of ventilation. [Part i. Remarks on the improvement of health. ii. Nature of, and means for ventilation. iii. . . . Production and communication of heat, light, and combustion. iv. Ventilation of the Houses of Parliament. v. Miscellaneous illustrations of ventilation. vi. Ventilation of ships. vii. Ventilation of mines.] London. 8°. (970)
1845. *Bernan, W.*, [pseud., i.e., *R. S. M'Kleham*]. On the history and art of warming and ventilating rooms and buildings. London. 2 vols. 12°. (8,914)
- *Reid, D. B.* Ventilation. A reply to misstatements made by the "Times," etc., in reference to ships and buildings ventilated by the author. London. 8°. (19,068)
1846. — Extracts from official documents, reports, and papers referring to the progress of Dr. Reid's plans for ventilation. London. 8°. (19,069)
1850. *Ardenni, P.* and *Julia de Fontenelle, J. S. E.* Manuel du poëlier-tumiste; . . . l'art de chauffer économiquement et ventiler les habitations, les manufactures, les ateliers, etc. Nouv. éd. Paris. 18°. (4,552)

HEATING AND VENTILATING BUILDINGS—*continued.**(General treatises)*—*continued.*

1850. *Burn, R. S.* Practical ventilation as applied to public, domestic, and agricultural structures; with remarks on heating, construction of fire-places, cure of smoky chimneys; and an appendix on the ventilation of ships, railway carriages, etc. Edinburgh, etc. 8°. (1,064)
- *Tomlinson, C.* Treatise on warming and ventilating. London. 12°. (262)
- *Walker, W.* Useful hints on ventilation [and heating]. Manchester. 12°. (11,645)
1853. *Péclet, J. C. E.* Nouveaux documents relatifs au chauffage et à la ventilation des établissements publics. . . . Supplément à la 2e éd. du "Traité de la Chaleur." Paris. 4°. (12,169)
1855. *Arnott, N.* On the smokeless fireplace, chimney-valves, and other means, old and new, of obtaining healthful warmth and ventilation. London. 8°. (6,411)
1857. *Board of Health, General.* Warming and ventilation of dwellings. [Return to the House of Commons.] London. fol. (11,936)
1858. *Péclet, J. C. E.* Grundsätze der Feuerungskunde, namentlich der Anlegung von Heerden, Schornsteinen, Kaminen, Stubenöfen, Heizgewölben, Dampf- und Warmwasser-Heizungen, Lüftungsapparaten, etc. 3te Aufl. Weimar. 12°. (6,693)
- — *E. Péclet's Erfindungen über Feuerungs-, Erwärmungs- und Ventilations-Anlagen.* Übersetzt von C. Hartmann. Weimar. 12°. (6,758)
- *Reid, D. B.* Ventilation in American dwellings. [Added] An introductory outline of the progress of improvement in ventilation. New York. 8°. (22,091)
1862. *Ruttan, H.* Ventilation and warming of buildings, illustrated by 54 plates, exemplifying the exhaustion principle. Added, A description of the ventilation of railway carriages. New York. 8°. (7,387)
1867. *Pisko, F. J.* Apparate für Heizung und Ventilation. *Paris Univ. Exhibition, 1867: Austrian Comm. Berichte.* Heft 9. 8°. (13,249)
- *Ser, L.* Chauffage et ventilation. *Paris Univ. Exhibition, 1867. Rapports du Jury International.* Classe 24. Sect. ii. 1868. 8°. (13,828)

HEATING AND VENTILATING BUILDINGS—*continued.*

(*General treatises*)—*continued.*

1867. *Webber, C. E.* Apparatus and processes for ventilating, warming, etc. *Paris Univ. Exhibition, 1867: Brit. Comm. Reports, Vol. iv.* 1868. 8°. (13,626)
1868. *Edwards, F.* On the ventilation of dwelling-houses and the utilization of waste heat from open fire-places. London. 8°. (15,103)
1873. *Joly, V. C.* Traité pratique du chauffage, de la ventilation . . . dans les habitations particulières, etc. 2e éd. Paris. 8°. (16,364)
- *Saeltzer, A.* Treatise on acoustics in connection with ventilation; and an account of the modern and ancient methods of heating and ventilation. New York. sm. 8°. (109)
1877. *Schumann, F.* A manual of heating and ventilation in their practical application, [pp. 70-78. Hygrometry.] New York. sm. 8°. (18,371)
1878. *Barlet, —.* Rapport sur les procédés et les appareils de chauffage, etc. *Paris Univ. Exhibition, 1878: Ministère de l'Agriculture, etc. Rapports, Classe 27.* 1881. 8°. (25,811)
- *Wazon, A.* Chauffage et ventilation des édifices privés et publics. (2 parts.) *Lacroix, E.* Études sur l'Exposition de 1878. Vol. 4. 8°. (1,177)
1879. *Hood, C.* A practical treatise on warming buildings by hot water, steam, and hot air. On ventilation and the various methods of distributing artificial heat; and an inquiry into the laws of radiant and conducted heat, etc. 5th ed. London. 8°. (19,297)
1880. *Philosophical Society of Glasgow.* Reports relative to the exhibition, held Sept.-Oct., 1880, apparatus for the utilization of gas, electricity, etc. [for lighting, heating, ventilating, etc.]. Glasgow, 1882. 8°. (16,689)
- *Planat, P.* Cours de construction civile. [Série i.] 1e Partie: Chauffage et ventilation des lieux habités. Paris. 8° and fol. (10,218)
- *Wolpert, A.* Theorie und Praxis der Ventilation und Heizung. 2te Aufl. der "Principien der Ventilation und Luftheizung." Braunschweig. 8°. (18,234)
1881. *Constantine, J.* Practical ventilation and warming, and suggestions on the construction and heating, etc., of disinfecting rooms and Turkish baths. London. 8° (19,546)

HEATING AND VENTILATING BUILDINGS—*continued.**(General treatises)*—*continued.*

1882. *Leeds, L. W.* A treatise on ventilation; comprising seven lectures delivered before the Franklin Institute, 1866-68. . . Comparing the effects of the various methods of heating and lighting upon ventilation. 3rd ed. New York. 8°. (6,470)
- *Schinz, C.* Die Wärme-Messkunst und deren Anwendung zur Construction von Apparaten für die Industrie und für häusliche Bedürfnisse. Mit Compendium. 2te Ausg. Leipzig. 2 vols. 8° and fol. atlas. (19,667)
1884. *Billings, J. S.* The principles of ventilation and heating and their practical applications. London. 8°. (8,813)
1885. *Ahrendts, --.* Die Zentral-Heizungen der Wohnhäuser, öffentlichen Gebäude, etc. 2te Aufl. Leipzig. sm. 8°. (8,102)
- *Martini, H.* Ventilations-Heizung mit Central-Selbst-Regulirung. Chemnitz. 4°. (22,958)
- *Paul, F.* Lehrbuch der Heiz- und Lüftungstechnik. Wien. 8°. (5,017)
1886. *Wazon, A.* Chauffage et ventilation des édifices publics et privés, chauffage des serres, précédé d'une étude pratique sur les combustibles. 2e éd. Paris. 8°. (3,505)
1887. *Wolpert, A.* Sieben Abhandlungen aus der Wohnungs-Hygiene. Zugleich Anhang zu "Theorie und Praxis der Ventilation und Heizung." [2te Aufl., 1880.] Leipzig. 8°. (21,476)
1889. *Grouvelle, --.* Appareils et procédés de chauffage. *Paris Univ. Exhibition, 1889* Rapports du Jury. Classe 27. 1891. 8°. (26,673)
- [1890.] *Mills, J. H.* Heat: science and philosophy of its production and application to the warming and ventilation of buildings. [Part i. Combustion. ii. Fuels. iii. Boilers. iv. Radiators. v. Warming by steam and water apparatus. vi. Ventilation]. Boston, Mass. 2 vols. 8°. (24,066)
1892. *Cox (Abram) Stove Co.* Water and air circulation in heating and ventilating. [By J. J. Hogan.] Philadelphia. 4°. (4,496)
- [1892.] *Herendeen Manufacturing Co.* Home warming and ventilation: a collection of articles [by various authors]. 2nd ed. Geneva, N.Y. 12°. (11,717)
1892. *Metal Worker, (The)* The "Metal Worker" essays on house heating by steam, hot water and hot air. Edited by A. O. Kittredge. 2nd ed. New York. 8°. (23,386)

HEATING AND VENTILATING BUILDINGS—*continued*.*(General treatises)*—*continued*.

1893. *Billings, J. S.* Ventilation and heating. New York. 8°. (23,888)
- *Haase, F. H.* Die Lüftungsanlagen . . . nebst kurzer Beleuchtung der verschiedenen Heizungssysteme. Stuttgart. 8°. (23,971)
1894. *Hood, C.* Treatise on warming buildings by hot water, and upon heat and heating appliances in general with an enquiry respecting ventilation, etc. Re-written by F. Dye. 2nd new ed. London. 8°. (23,668)
- *Rietschel, H.* Leitfaden zum Berechnen und Entwerfen von Lüftungs- und Heizungs-Anlagen. 2te Aufl. Berlin. 2 vols. 8°. (25,184)
1896. *Denfer, J.* Fumisterie, chauffage et ventilation. Paris. 8°. (25,647)
- *Gerdtzen, G. A.* The problem of economical heat, etc., supply for building blocks, school houses, dwellings, etc. *Wisconsin University. Bulletin. Engineering Series.* Vol. i. pp. 261-329. 8°. E 12 W1:
- *Schmidt, K.* Heizung und Ventilation. *Weyl, T.* Handbuch der Hygiene. Band iv. Lief 2. 8°. (24,547)
- [1896] *Sturtevant, B. F., Co.* Ventilation and heating. New York, etc. 4. (10,240)
- 1896, etc. *Wolpert, A., and Wolpert, H.* Theorie und Praxis der Ventilation und Heizung. 1te Aufl. der "Principien der Ventilation und Luftbeizung." Band i. Physikalisoh-ohemische Propädeutik. Band ii. Die Luft und die Methoden der Hygrometrie. Band iii. Die Ventilation. Leipzig. 8°. (25,143) *In progress*
1897. *Hood, C.* Treatise on warming buildings by hot water, and upon heat and heating appliances in general: with an enquiry respecting ventilation, etc. Re-written by F. Dye. 3rd new ed. London. 8°. (3,349)
- *Picard, P.* Traité du chauffage et de la ventilation. Paris. 8°. (25,662)
1898. *Jones, W.* Heating and ventilation. [Reprint.] Stourbridge. 8m. 8°. (25,541)
- *Soreau, R.* Chauffage et ventilation des lieux habités. *Soc. des Ingénieurs Civils de France.* Cinquantenaire. 1848-98. Sect. 4. 8°. (25,483)
1902. *Carpenter, R. C.* Heating and ventilating buildings. 4th ed. New York. 8. (28,924)

HEATING AND VENTILATING BUILDINGS—*continued.**(By hot-air circulation.)*

1827. *Meissner, P. T.* Die Heizung mit erwärmter Luft. 3te Aufl. Wien. 8°. (29,036)
1835. *Bernhardt, F. A.* [Prospectus on] warming and airing buildings; founded upon certain principles of natural philosophy now first discovered. [Letters Patent No. 6,726 of 1834.] London. 8°. (19,018)
1838. — Warming and ventilating buildings, to a newly discovered law of nature. London. 32°. (19,003)
1872. *Drysdale, J. J., and Hayward, J. W.* Health and comfort in house building, or ventilation with warm air by self-acting suction power. London. 8°. (11,250)
1880. *Lasius, C.* Warmluftheizung mit continuirlicher Feuerung. *Schweizer. Ingenieur und Architekten Verein.* Technische Mittheilungen. Heft 18. E 18 : 876
1890. *Drysdale, J. J., and Hayward, J. W.* Health and comfort in house building, or ventilation with warm air by self-acting suction power. 3rd ed. London. 8°. (22,778)
1895. *Johnston, S. P.* Furnace work manual. Chicago. 8°. (8442)

(By hot-water circulation.)

1841. *Davies, J., and Ryder, G. V.* Report on Perkins's system of warming buildings by hot water. Manchester. 8°. (15,565)
1845. *Privy Council.* Perkins' patent hot-water apparatus [for heating buildings, etc.]. Evidence of petition for extension of patent. [Letters Patent Nos. 6,146 of 1831 and 10,778 of 1845.] London. 8°. (191)
1882. *Fawkes, F. A.* Hot water heating on the low-pressure system . . . [and] its application to buildings of various descriptions [including horticultural buildings]. London. 8°. (927)
1888. *Dye, F.* Hot-water supply: a practical treatise upon the fitting of hot-water apparatus. London. sm. 8°. (21,138)
- — Hot water fitting, etc.; for heating buildings and for domestic purposes. London. 16°. (21,565)
1889. *Baldwin, W. J.* Hot-water heating and fitting; or, warming buildings by hot water. London. 8°. (22,108)
- *Beielstein, W.* Die Installation der Warmwasseranlagen. Weimar. 8°. (21,495)

HEATING AND VENTILATING BUILDINGS—*continued.**(By hot-water circulation)*—*continued.*

1890. Jones, W. Heating by hot water; with information and suggestions on the best methods of heating public, private, and horticultural buildings. London. sm. 8°. (22,138)
1891. Tweedie, W. Domestic hot water supply. [Paper read.] Edinburgh. 8°. (1,172)
1894. *Metal worker (The)*. Kitchen boiler connections [Chap. x. Heating room from kitchen boiler. xi. Radiators heated from coils in stoves.] New York. 8°. (24,561)
1895. *American steam and hot-water heating practice*. From the "Engineering Record." London. 4°. (24,769)
- [1896.] *Potterton, T.* A practical guide to warming houses from the kitchen fire by low pressure hot water on the one pipe system, in conjunction with the domestic supply. Balham. 8°. (26,872)
1899. *Metal worker (The)*. Kitchen boiler connections. [Chap. xi. Heating rooms, etc., from kitchen boiler. xii. Radiators heated from coils in stoves.] 5th ed. New York. 8°. (26,417)
1900. Hart, J. W. The principles of hot water supply. London. 8°. (28,252)

(By steam circulation.)

1802. *Rumford, Count.* Use of steam as a vehicle for transporting heat from one place to another. *In his Experimental essays*. Vol. 3. Essay xiv. 8°. (584)
1807. *Buchanan, R.* An essay on the warming of mills and other buildings by steam. Glasgow. 8°. (15,563)
1810. — *Essays on the economy of fuel and management of heat*. [Part ii. On heating mills, dwelling-houses, and public buildings, by steam. Part iii. On drying and heating by steam.] Glasgow. 8°. (657)
1882. *Baldwin, W. J.* Steam heating for buildings; or, hints to steam fitters; . . . with remarks on steam, water, and air, in relation to heating. 2nd ed. New York. sm. 8°. (12,200)
1886. *Plumber and Sanitary Engineer*. Steam heating problems; or, questions, answers, and descriptions relating to steam-heating and steam-fitting, from the "Sanitary Engineer." New York. 8°. (19,766)

HEATING AND VENTILATING BUILDINGS—*continued.**(By steam circulation)*—continued.

1895. *American steam and hot-water heating practice.* From the "Engineering Record." London. 4°. (24,769)
1897. *Baldwin, W. J.* Baldwin on heating; or, steam heating for buildings revised. 14th ed. New York. sm. 8°. (11,590)
1901. *Dye, F.* Treatise upon steam heating, embracing methods and appliances for warming buildings, heating water and cooking by steam. London. 8°. (27,503)
1902. *Monroe, W. S.* Steam heating and ventilation. [Chaps. i.-vi. Heating.] New York. 8°. (29,217)

(Societies.)

- 1895, etc. *American Society of Heating and Ventilating Engineers.* Transactions. Vol. I, etc. New York. F 52: 895

(Periodicals.)

- 1895, etc. *Zeitschrift für Beleuchtungswesen, Heizungs- und Lüftungs-Technik.* Berlin. K 39/895
- 1901, etc. *Ofen-Industrie.* Leipzig. K 71: 901a

HERALDRY.

(In Architecture.)

1713. *Aquila, F.* Raccolta di vasi diversi . . . e di varie targhe soprapposte alle fabbriche piu insigni di Roma. Roma. fol. (418)
1837. *Donaldson, W. L.* On heraldry in connection with Gothic architecture. London. 8°. (9,548)

High building construction. *See* Iron and steel construction.

HOSPITALS.

1862. *Husson, A.* Étude sur les hôpitaux : considérés sous le rapport de leur construction, de leurs bâtimens, etc. Paris. 4°. (13,247)
1877. *Salvisberg, F.* Die Entbindungsanstalt in Bern. Schweiz. Ing. und Archit. Verein. Techn. Mittheilungen. Heft 8. E 18: 876

HOSPITALS—continued.

1882. *Degen, L.* Krankenanstalten. *Pettenkofer, M. von,* and *Ziemssen, H. von.* Handbuch der Hygiene, etc. Theil ii. Abt. 2. 8°. (20,988)
- *Oppert, F.* Neuere Krankenhäuser. Ihre Anlage, Bauart, und Einrichtung. Leipzig. sm. 8°. (8,226)
1883. *Mouat, F. J.,* and *Snell, H. S.* Hospital construction and management. London. 4°. (7,194)
1884. *Wuttke, O.,* and *Lenzner, —.* Die [Wuttke'schen] Ventilations-Anlagen in dem Garnison-Lazareth zu Pusewalk. Danzig. 8°. (23,018)
1893. *Galton, Sir D.* Healthy hospitals. Oxford. 8°. (23,619)
- *Naplas, H.* Hôpitaux et Hospices. *Roehard, J.* Encyclopédie d'Hygiène, etc. Tome 5. 8°. (23,448)
1897. *Kuhn, O.* Krankenhäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 5. Heft 1. 8°. (22,285)
- [1899.] *Annwitz, G.* Deutsche Industrie und Technik bei Einrichtung und Betrieb von Sanatorien und Krankenhäusern. Berlin. 4°. (26,542)
1899. *Ruppel, F.* Anlage und Bau der Krankenhäuser nach hygienisch-technischen Grundsätzen. *Weyl, T.* Handbuch der Hygiene. Band v. Abt. 1. 8°. (24,547)
- *Merke, H.* Verwaltung, Betrieb und Einrichtung der Krankenhäuser. *Ibid.* (24,517)
1901. *Walters, F. R.* Sanatoria for consumptives. With an exposition of the open air treatment of phthisis. 2nd ed. London. 8°. (28,260)

HOSPITALS AND OTHER CHARITABLE INSTITUTIONS.

1867. *Oppert, F.* Hospitals, infirmaries, and dispensaries; their construction, etc. London. 8°. (13,438)
1883. — Hospitals, infirmaries, and dispensaries; their construction, etc. 2nd (English) ed. London. 8°. (10,010)
1889. *Naplas, H.* Assistance publique. *Paris Univ. Exhibition, 1889.* Rapports du Jury. Classe 64. 8°. (26,673)

HOSPITALS AND OTHER CHARITABLE INSTITUTIONS—*continued.*

1891. Verschiedene Heil- und Pflegeanstalten.

Funk, A. Irren-Anstalten; Entbindungs-Anstalten.

Behnke, G. Heimstätten für Genesende.

Durm, J. Handbuch der Architektur. Theil iv. Halb-Band 5. Heft 2. 8°. (22,285)

— Versorgungs-, Pflege- und Zufluchtshäuser.

Henrici, K. Blinden - Anstalten; Taubstumm-Anstalten.

Behnke, G. Anstalten für Schwachsinnige. Krippen, Kinder-Bewahranstalten, Kinderhorte und Ferien-Colonien. Findel- und Waisenhäuser. Altersversorgungs-Anstalten und Siechenhäuser. Armen-Versorgungs- und Armen - Arbeitshäuser. Zufluchtshäuser für Obdachlose und Wärmstuben.

Durm, J. Handbuch der Architektur. Theil iv. Halb-Band 5. Heft 2. 8°. (22,285)

1891-93. *Burdett, Sir H. C.* Hospitals and asylums of the world.

Vol. i. Asylums—history and administration.

„ ii. Asylum construction, with plans and bibliography.

„ iii. Hospitals—history and administration.

„ iv. Hospital construction, and bibliography.

London. 4 vols. 8° and fol. atlas. (23,757)

1895. *Goecke, T.* Die Architektur sozialer Wohlfahrts-Anstalten. *Fortschritte a. d. G. der Architektur.* No. 6. F 70: 894

[1898.] *Borne, L.* Études et documents sur la construction des hôpitaux. Paris. 8°. (25,461)

Hospitals, Military. *See* Military architecture (*Hospitals*).

Hot-air, Heating buildings by. *See* Heating and ventilating buildings (*By hot-air circulation*).

Hot-water supply, Domestic. *See* Heating, etc., buildings (*By hot-water circulation*); Stoves and grates.

HOTELS AND CLUBS.

1885. *Hude, H. von der.* Hotels. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)

— *Schmitt, E., and Wagner, H.* Gebäude für Gesellschaften und Vereine. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)

HOUSE DECORATION.

(Principles; Design.)

1877. *Garrett, R. and A.* Suggestions for house decoration in painting, woodwork, and furniture. 3rd ed. London. sm. 8°. (18,091)
1878. *Eastlake, Sir C. L.* Hints on household taste in furniture, upholstery, etc. 4th ed. London. 8°. (12,113)
1879. *Falke, J. von.* Art in the house. Historical, etc., studies on the decoration and furnishing of the dwelling. From the 3rd German ed., by C. C. Perkins. Boston. 4°. (18,666)
1880. *Gutchar, E.* De l'ameublement et de la décoration intérieure de nos appartements. Paris. sm. 8°. (19,097)
1881. *Edis, R. W.* Decoration and furniture of town houses. 2nd ed. London. sm. 8°. (12,500)
1882. *Bloor, A. J.* On wall and window decoration in domestic work. [Paper read.] New York. 8°. (1,440)
1887. *Smith, J. M.* Ornamental interiors, ancient and modern. London. 8°. (23,785)
1889. *Ouvrages du tapisier et du decorateur. Paris Univ. Exhibition, 1889.* Rapports du Jury. Classe 18. 1891. 8°. (20,073)
- *Pearse, W. J.* Decorating. *Mansion House Committee.* Reports of Artisans, Paris Exhibition, 1889. 8°. (25,318)

(Practical Manuals.)

1842. *Hittmann, L.* Cementir-, Tüncher- und Stuccaturarbeit, in der Gebäude- und Zimmermalerei, in den verschiedenartigsten Anstrichen und dem damit verbundenen Lackiren in der Gyps- und Holzvergoldung und im Ausziehen aller Art von Tapeten. Weimar. 12°. (6,577)
1843. *Schmit, J. P.* Manuel du decorateur-ornementiste du graveur et du peintre en lettres. Paris. 18°. (4,522)
1856. *Reinzel, F.* Englisches Receptbuch für Maurer, Tüncher, Stubenmaler, etc. Weimar. 12°. (6,580)
- [1860.] *Goodwin, T.* Account of the art of polychrome, historical and practical. London. 12°. (18,046)
- [1879.] *Paper Hanger.* The paper hanger, painter, grainer, and decorator's assistant. By a Decorator. [New ed., by C. H. Savory.] London. 12°. (21,576)

HOUSE PAINTING.

1821. *Smith, J.* Smith's art of house-painting; improved by W. Butcher; with the manner of painting window-transparencies [on cloth.etc.], and other useful recipes. London. 8°. (16,807)
1826. *Painter.* Painter's and varnisher's pocket manual. [With a] statement of the diseases, etc., to which painters and varnishers are liable, etc. 2nd ed. London. 12°. (18,215)
1838. *Plumber.* The plumber, painter, and glazier. London. 12°. (11,080)
1846. *Thon, C. F. G.* Die Staffirmalerei und Vergoldungskunst. 2te Aufl. Weimar. 12°. (6,638)
- [1850 ?] *Riffault des Hêtres, J. R. D., and Vergnaud, A. R.* Manuel du peintre en bâtiments, etc. Nouv. éd. Paris. 18°. (4,546)
1859. *Barber, E.* Der Gehülfe für Haus- und Stuben-Maler und Firmaschreiber. Aus dem Englischen von E. Schreiber. 2te Aufl. Weimar. 12°. (6,753)
1861. *Hagdorn, C.* Der Anstreicher, Zimmermaler und Tüncher. Weimar. 12°. (6,587)
1869. *Masury, J. W.* How shall we paint our houses? A treatise on the art of house-painting: plain and decorative. New York. 12°. (13,868)
- [1876.] *Davidson, E. A.* Practical manual of house-painting, graining, marbling, and sign-writing. 8th ed. [reprint of 2nd ed.] London, 1900. 12°. (21,408)
1877. *Stevens, J.* The art of house-painting. New York. sm. 8°. (18,311)
1881. *Masury, J. W.* House-painting, carriage-painting, and graining. New York. sm. 8°. (7,389)
1882. *Rossiter, E. K., and Wright, F. A.* Modern house painting. New York. obl. fol. (17,789)
- 1883-94. *Ducompex, E. A.* Traité de la peinture en bâtiment et du décor. 3e éd. [With] Pt. 2. Manuel technologique du peinture. 1883. [Reprinted, 1894.] Paris, 1892-94. 2 vols. in one. 8°. (3,736)
1884. *Andès, L. E.* Praktisches Handbuch für Anstreicher und Lackirer. Anleitung zur Ausführung aller Anstreicher-, Lackirer-, Vergolder- und Schriftemaler-Arbeiten, nebst eingehender Darstellung aller verwendeten Rohstoffe und Utensilien. Wien. sm. 8°. (8,684)

HOUSE PAINTING—*continued.*

1886. *Davis, O. W.* The rudiments of decorative painting (as applied to the rooms of a dwelling house). London. sm. 8°. (20,860)
- *Gardner F. B.* Everybody's paint book. New York. sm. 8°. (20,885)
- [1888.] *Mathieson, E.* Painting, graining, and decorating, to prevent blisters. London, sm. 8°. (13,001)
1889. *Tormin, R.* Der erfahrene Gehilfe für Haus- und Stuben-Maler und Firmaschreiber. 7te Aufl. Weimar. sm. 8°. (21,511)
1893. *Aucamus, E.* Menuiserie, etc. [Pt. 4. Peinture.] Paris. sm. 8°. (17,805)
- *Masselin, O.* Traité technique, etc., des travaux de peinture et décors. Paris. 8°. (25,477)
- 1900 *Brown, W. N.* House decorating and painting. London. sm. 8°. (27,045)

HOUSES OF PARLIAMENT.

- 1857 *Wagner, H., and Wallot, P.* Parlamentshäuser und Ständehäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 7. 8°. (22,285)

HOUSES OF PARLIAMENT, WESTMINSTER.

(Architecture.)

1835. *Juvara, T.* Strictures on architectural monstrosities [on the rebuilding of the Houses of Parliament]. London. 8°. (10,163)
- *Pugin, A. N. W.* A letter to A. W. Hakewill, Architect, in answer to his reflections on the style for rebuilding the Houses of Parliament. London. 8°. (10,961)
- 1836-37. *Hamilton, W. R.* Letter to the Earl of Elgin on the propriety of adopting the Greek style of architecture in the construction of the new Houses of Parliament. 2nd ed. London. 8°. (2,886)
- — Second letter to the Earl of Elgin on the same subject. London, 1836. 8°. (2,991)
- — Third letter to the Earl of Elgin on the same subject. London, 1837. 8°. (2,992)

HOUSES OF PARLIAMENT, WESTMINSTER.

(Architecture)—continued.

1837. *Jackson, J. R.* Observations on a letter from W. R. Hamilton to the Earl of Elgin, on the new Houses of Parliament. London. 8°. (10,096)
1845. *Weale, J.* Iron roof of the new Houses of Parliament. *Weale, J.* Quarterly Papers on Engineering. Vol. 3. E 20: 844
1867. *Pugin, E. W.* Who was the art architect of the Houses of Parliament? Ramsgate. 8°. (16,042)
1868. *Barry, A.* The architect of the new Palace at Westminster. A reply to Pugin. London. 8°. (16,010)
- — *Pugin, E. W.* Notes on the reply of A. Barry to Pugin. 2nd ed. London. 8°. (16,043)

(Heating; Ventilating; Acoustics.)

1835. *Parliament.* Report from the select committee [of the House of Commons] on [the heating and] ventilation of the Houses of Parliament [and of rendering the same favourable to the transmission of sound]. London. fol. (12,384)
1836. *Inman, W. S.* Report of the Committee of the House of Commons on ventilation, warming, and transmission of sound. Abbreviated, etc. London. 8°. (13,523)
- — *Parker, T. N.* Suggestions for warming and ventilating the Houses of Parliament with hot water, etc. London. 8°. (10,751)
1837. *Reid, D. B.* Outlines illustrative of the alterations lately made in the House of Commons. [On acoustics and ventilation.] Edinburgh. 4°. (28,783)
- 1884-86. *Parliament.* Reports from the select Committee on Ventilation of the House; together with the proceedings of the committee and minutes of evidence. London. 2 vols. fol. (10,769)
1891. — — Report from the select Committee on House of Commons Ventilation. London. fol. (10,057)

Hydraulic cements. *See* Cements, Building (*Hydraulic*).

ICE CELLARS.

1884. *Spillner, E.* Besondere Constructionen für Eisebhälter. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 6. 8°. (22,285)
1886. *Schlessinger, I.* Der Eiskellerbau in Massiv- und Holz-Construction in und über der Erde. 2te Aufl. Berlin. 8°. (7,370)
1893. *Schattburg, H.* Die Eiskeller, Eishäuser, Kuhlräume und Lagerkeller. Halle. 8°. (24,024)
1896. *Nüthling, E.* Die Eiskeller, Eishäuser und Eisschränke, ihre Konstruktion und Benutzung. 5te Aufl. [pp. 178-184, bibliography.] Weimar. 8°. (24,814)
1900. *Behrend, G.* Der Eiskellerbau. Halle. 4°. (27,331)

Illusions, Stage. See [Conjuring]; Theatres, etc.

INDICATORS, LIBRARY.

1870. *Elliot, J.* Safe and rapid method of issuing library books. Wolverhampton. sm. 4°. (16,357)
1885. *Cotgreave, A.* Library indicators versus book-keeping, and notes on Cotgreave's Library Indicator, etc. London. 8°. (20,410)

Infirmaries. See Hospitals and other charitable institutions; Workhouses.

IRON AND STEEL CONSTRUCTION.

1854. *Fairbairn, Sir W.* On the application of cast and wrought iron to building purposes. London. 8°. (188)
1856. *Biston, V., and Hanus, P. A.* Manuel du charpentier. Avec une introduction et un appendice par C. Boutereau. [Appendice, chap. iv. Charpente en fer.] Nouv. éd. Paris. 18°. (4,644)
- 1857-58. *Fairbairn, Sir W.* On the application of cast and wrought iron to building purposes. 2nd ed. London. 8°. (7,209)
1865. *Brandt, E.* Lehrbuch der Eisen-Konstruktionen mit bes. Anwendung auf den Hochbau. Berlin. 8°. (7,824)

IRON AND STEEL CONSTRUCTION—*continued.*

- 1869-70. *Émy, A. R.* L'art de la charpenterie. 2e éd. Par L. A. Barré. Suite. Eléments charpenterie métallique. Texte and atlas. [1er éd.] Paris. 3 vols. 4° and 1 vol. fol. (15,702)
1873. — Traité de l'art de la charpenterie. Suite. Eléments de charpenterie métallique. Par L. A. Barré. 2e éd. Paris. 4° and fol. atlas. (7,566)
- *Matheson, E.* Works in iron; bridge and roof structures. [With a vocabulary of terms used in the design, manufacture, and commerce of iron structures. English, French, German, Italian, Spanish.] London. 8°. (16,227)
- 1874-76. *Klasen, L.* Handbuch der Hochbau-Constructionen in Eisen und anderen Metallen für Architecten, Ingenieure, etc. Leipzig. sm. 4°. (16,896)
1876. *Brandt, E.* Lehrbuch der Eisen-Konstruktionen mit besonderer Anwendung auf den Hochbau. 3te Aufl. Berlin. 8°. (7,509)
- *Fryer, W. J.* Architectural iron work. New York. 8°. (16,051)
- [188 ?] *Gateuil, N.* Recueil de charpentes en fer. Paris. fol. (21,906)
- [1881 ?] *Ferrand, J.* Le charpentier-serrurier au XIXe Siècle. Constructions en fer et en bois charpentes mixtes en fer, fonte et bois, charpentes décoratives. Paris. fol. (19,520)
1882. *Architettura.* L'architettura del ferro. Raccolta di motivi per costruzioni civili, ferroviarie et artistiche. Compilata col concorso dei migliori ingegneri, architetti e costruttori Italiani. 2a ed. Milano. fol. (21,235)
- 1883-88. *Adams, H.* Designing wrought and cast iron structures. Pts. 1-5. London. 8°. (19,987)
1884. *Kolz, K.* Anhaltspunkte zum Entwerfen und Veranschlagen von Hochbauten. Mit einem Anhang über Anhaltspunkte zur statischen Berechnung von Eisen- und Holzkonstruktionen. Leipzig. sm. 8°. (6,191)
- [1884.] *Lauter, W. H., and Ritter, H.* Façoneisen und deren praktische Verwendung. Frankfurt-am-Main, 12°. (19,654)
1884. *Messerschmitt, A.* Die Calculation der Eisenconstruktionen. Essen. sm. 8°. (23,761)
1885. *Webster, J. J.* Notes on constructional ironwork. [Paper read.] Liverpool. 8°. (8,015)

IRON AND STEEL CONSTRUCTION—*continued.*

1886. *Barkhausen, G.* *Constructions- Elemente in Eisen.* *Durm, J.* *Handbuch der Architektur.* Theil iii. Bd. 1. Abt. 1. 8°. (22,285)
1887. *Fritz, H.* *Hilfsbuch für gewerbliche insbesondere Metall-Konstruktionen.* Leipzig. 8°. (20,527)
1888. *Barberot, E.* *Traité pratique de serrurerie. Constructions en fer, serrurerie d'art.* Paris. 8°. (22,225)
- *Scharowsky, C.* *Musterbuch für Eisen-Construktionen.* Theil i. Leipzig. fol. (20,920)
1889. *Watson, W.* *Report on civil engineering, public works, and architecture.* 1891. *Paris Univ. Exhibition, 1889: U.S. Comm. Reports.* Vol. 3. 8°. (8,243)
1891. *Anglin, S.* *The design of structures: a treatise on the building of bridges, roofs, etc.* London. 8°. (22,763)
- *Birkmire, W. H.* *Architectural iron and steel, and its application in the construction of buildings.* . . . With specification of ironwork, etc. New York. 8°. (23,224)
1893. — *Compound riveted girders, as applied to the construction of buildings.* New York. 8°. (2,889)
- [1893.] *Jones and Loughlin, Ltd.* *Standard Steel Construction.* A manual for architects, engineers, etc., containing useful tables, formulas, etc. Arranged by J. M. Larimer. [Pittsburgh, Pa.] sm. 8°. (9,628)
1894. *Adams, H.* *Practical designing of structural iron-work.* London. 8°. (24,076)
- *Barberot, E.* *Traité pratique de serrurerie. Constructions en fer, serrurerie d'art.* 2e éd. Paris. 1. 8°. (24,275)
- *Birkmire, W. H.* *Skeleton construction in buildings.* With practical illustrations of high buildings. 2nd ed. New York. 8°. (23,800)
- *Denfer, J.* *Charpenterie métallique, menuiserie en fer et serrurerie.* Paris. 2 vols. 8°. (24,487)
- *Johnson, J. B., and others.* *Modern framed structures.* 2nd ed. New York. 4°. (23,877)
1895. *Anglin, S.* *The design of structures: a treatise on the building of bridges, roofs, etc.* 2nd ed. London. 8°. (10,632)
- *Frettag, J. K.* *Architectural engineering; with special reference to high building construction.* New York. 8°. (21,700)

IRON AND STEEL CONSTRUCTION—*continued*.

- [1896.] *Traité de serrurerie et construction en fer*. Par un comité d'ingénieurs, constructeurs, architectes, etc. Dourdan. 8° and fol. atlas. (24,963)
1898. *Birkmire, W. H.* The planning and construction of high office-buildings. New York. 8°. (17,219)
- *Jones and Laughlins, Ltd.* Standard steel construction. Revised by F. L. Garlinghouse. [3rd ed.] Pittsburgh. sm. 8°. (25,983)
1899. *Mertens, L.* Eiserne Dächer und Hallen in England. Berlin. fol. (26,930)
1901. *Freitag, J. K.* Architectural engineering; with especial reference to high building construction. 2nd ed. New York. 8°. (28,397)

Kilns. *See* Furnaces (*Kilns*).

Kiosks. *See* Summer-houses.

Kursaals. *See* Theatres and public halls.

Labourers' dwellings. *See* Workmen's dwellings, etc.

LANDSCAPE ARCHITECTURE.

1815. *Wrighte, W.* Grottesque architecture, or rural amusement; consisting of plans, etc., of huts, retreats, grottoes, cascades, rustic seats, etc. New ed. London. 8°. (12,326)
1836. *Paulin-Désormeaux, A. O.* Manuel du treillageur et du menuisier des jardins. Paris. 18°. (4,389)
1848. *Ricauti, T. J.* Sketches for rustic work; including bridges, park and garden buildings, etc. London. 4°. (1,040)
- [1850 ?] *Boitard, P.* Manuel de l'architecte des jardins. Nouv. éd. Paris. 18°. With atlas. (4,545)
1867. *Sloan, S.* Sloan's homestead architecture; with essays on . . . landscape gardening, etc. 2nd ed. Philadelphia. 8°. (13,126)
1884. *Ewerbeck, F.* Terrassen, Freitreppen und Rampen-Anlagen. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 6. 8°. (22,285)
1898. *Lambert, A., and Stahl, E.* Die Garten-Architektur. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 10. 8°. (22,285)

Laundries, Public. *See* Baths and wash-houses, Public.

LAW COURTS.

1887. *Landauer, T. von., and Wagner, H.* Gerichtshäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 7. 8°. (22,285)

Leadwork, Ornamental. *See* Plumbing (*Ornamental*).

LIBRARY BUILDINGS AND APPLIANCES.

1853. *Papworth, J. W., and Papworth, W.* Museums, libraries, etc. London. 8°. (8,281)
- [1885?] *Cotgrave, A.* Library appliances. Richmond. sm. 8°. (12,965)
1890. *Greenhough, W. H.* On the ventilation, heating and lighting of free public libraries. [Paper read.] Reading. 16°. (3,763)
1891. *Library Bureau.* Handbook of library and office fittings, etc. Boston, Mass. 8°. (16,869)
1892. *Brown, J. D.* A handbook of library appliances: the technical equipment of libraries, etc. London. 8°. (17,332)
1893. *Kortüm, A., and Schmitt, E.* Bibliotheken. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 8. Heft 4. (22,285)
1897. *Burgoyne, F. J.* Library construction, architecture, fittings, and furniture. London. sm. 8°. (9,211)

Library indicators. *See* Indicators, Library.

LIGHT AND AIR, RIGHT OF ACCESS TO.

1886. *Fletcher, B. F.* Light and air. 2nd ed. London. sm. 8°. (12,390)

LIGHTING, ARTIFICIAL.

(*Of interiors.*)

1896. *Gerdtsen, G. A.* The problem of economical heat, light, etc., supply for building blocks, school houses, dwellings, etc. *Wisconsin University.* Bulletin. Engineering Series. Vol. i. pp. 261-329. E L Wi:

LIGHTING, NATURAL, OF BUILDINGS.

1895. *Weber, L.* Die Beleuchtung. Abschnitt 2. Beschaffenheit des natürlichen Sonnenlichtes. *Weyl, T.* Handbuch der Hygiene. Band iv. Lief 1. 8°. (24,547)
1896. *Schmitt, E.* Erhellung der Räume mittels Sonnenlicht. *Durm, J.* Handbuch der Architektur. Theil iii. Band 3. Heft 1. 8°. (22,285)
1899. *British Luxfer Prism Syndicate.* Manual of Luxfer prisms and electro-glass; being a short treatise on the introduction of daylight into buildings and on the fireproofing of windows. By O. H. Basquin. London. 8°. (25,907)
1901. *Classen, J.* Untersuchungen über den durch Luxfer-Prismenfenster zu erreichenden Helligkeitsgewinn nach im physikalischen Staatslaboratorium zu Hamburg ausgeführten Beobachtungen. Hamburg. 8°. (27,972)

Limes and lime-burning. *See* Cements, Building; Furnaces (Kilns).

LIMESTONE.

1808. *Bournon, J. L., Comte de.* Chaux carbonatée et l'arragonite. London. 3 vols. in two. 4°. (7,103)
1846. *Whichcord, J.* Observations on Kentish ragstone as a building material. London. 8°. (11,721)
1883. *Burnham, S. M.* History and uses of limestones and marbles. Boston, Mass. 8°. (9,893)
1890. *Hopkins, T. C.* Marbles and other limestones. *Arkansas Geol. Survey.* Report, 1890. Vol. iv. G 30 Ar:
Contains chapters on quarrying and stone cutting and working.
1896. *Harding, H. J.* A few words about blue lias lime. [Reprint.] London. 16°. (13,756)
- *Hopkins, T. C., and Siebenthal, C. E.* The Bedford oolitic limestone of Indiana. *Indiana Geol. Survey.* Annual Report, 1896. G 30 In:

LIVERPOOL.

(Architecture.)

1849. *Picton, J. A.* Ancient Liverpool, its buildings and architecture. Liverpool. 8°. (2,720)

LODGING HOUSES.

1882. *Gaul, A.* Das Miethaus. Die Anlage des Miethauses im allgemeinen und in seiner speziellen Gestaltung in einer Reihe von grosseren Städten. Leipzig. sm. 8°. (6,120)
1883. *Cuno, H.* Die Herberge zur Heimat. Leipzig. sm. 8°. (15,712)
1885. *Cacheux, É.* L'économiste pratique. Construction et organisation des hotels pour célibataires, . . . asiles de nuit, etc. Paris. 8° and fol. atlas. (19,872)
- *Schmitt, E.* Gasthöfe niederen Ranges, Schlaf- und Herbergshäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)
1895. *Knauer, M., and Weyl, T.* Asyle, niedere Herbergen, etc. *Weyl, T.* Handbuch der Hygiene. Band vi. Heft 3. 8°. (24,547)

LONDON.

(Architecture.)

1771. *Critical observations on the buildings and improvements of London.* [By J. Stuart.] 2nd ed. London. 8°. (3,600)
1814. *Observations on the principal defects of the public edifices and architectural ornaments of London.* London. 8°. (10,827)
1816. *Remarks on the buildings and improvements in London, etc.* London. 8°. (11,942)
1842. *Fonneratu, T. G.* Observations on the state of architecture in London. London. 8°. (2,633)

(Church architecture.)

- 1838-39. *Godwin, G., and Britton, J.* The churches of London: a history and description of the ecclesiastical edifices of the Metropolis; with biographical anecdotes of eminent persons, etc. London. 2 vols. 8°. (891)

Lunatic asylums. *See* Asylums.

Luxfer prisms and electro-glaze. *See* Lighting, Natural, of buildings.

MARBLE.

1775. *Wirsing, A. L.* Marmora et adfines lapides coloribus suis. [Engraved specimens of marbles, with descriptions in Latin and German. With supplementary volume of drawings.] Nürnberg. 2 vols. fol. (6,284)
1888. *Blagrove, G. H.* Marble decoration and the terminology of British and foreign marbles. London. sm. 8°. (21,403)
- *Kosmann, B.* Die Marmorarten des Deutschen Reiches. *Verein zur Beförderung des Gewerbflusses.* Verhandlungen. Jahrg. 67. B 67 P: 822
1894. *McCallie, S. W.* Report on the marbles of Georgia [incl. machinery for working]. *Georgia Geol. Survey.* Bulletin. No. 1. G 30 G:
1895. *Merrill, G. P.* The onyx marbles: their origin, composition, and uses, both ancient and modern. [Reprint.] Washington. 8°. (25,962)

MARBLING AND GRAINING.

- [1886 ?] *Van der Burg, A. R., and P.* School of painting for the imitation of woods and marbles. London. fol. (19,801)
- [1891-92.] *Fleury, P.* Neue Vorlagen für Holz- und Marmor-Malerei. Paris. 2 vols. 8° and fol. atlas. (23,311)
1891. *Wall, W. E.* Practical graining. Illustrated by 47 colored plates. Philadelphia. 8°. (23,937)

MARKET BUILDINGS.

- 1861-62. *Massy, J. R. de.* Des halles et marchés et du commerce des objets de consommation à Londres et à Paris. Rapport au Ministre de l'Agriculture, etc. Paris. 2 vols. in one. 8°. (13,232)
1877. *Friedmann, A.* Designs for the construction of markets, warehouses, and sheds. Transl., with an introduction and notes by E. H. d'Avigdor. London. fol. (12,289)
1884. *Osthoff, G.* Märkte im Allgemeinen. Märkte für Lebensmittel. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 3. 8°. (22,285)

MARKET BUILDINGS—*continued.*

1884. *Schmitt, E.* Märkte für Getreide. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 3. 8°. (22,285)
1891. *Osthoff, G.* Märkte im Allgemeinen. Märkte für Lebensmittel. *Durm, J.* Handbuch der Architektur. 2te Aufl. Theil iv. Halb-Band 3. Heft 2. 8°. (28,712)
- *Schmitt, E.* Märkte für Getreide. *Ibid.* 8°. (28,712)
1894. *Osthoff, G.* Markthallen und Viehhöfe. *Weyl, T.* Handbuch der Hygiene. Band vi. Heft 1. 8°. (24,547)
1899. *Lindemann, A.* Die Markthallen Berlins, ihre baulichen Anlagen und Betriebseinrichtungen. Berlin. fol. (29,020)

MASONRY AND STONE-CUTTING.

- 1754-69. *Frezier, A. F.* De la coupe des pierres, etc. Nouv. éd. Paris. 3 vols. 4°. (13,333)
1826. *Bordoni, A. M.* Nota di stereotomia sopra i cunei dei ponti in Isbreco. Milano. 8°. (7,517)
1843. *Matthaei, C. L.* Praktisches Handbuch für Maurer und Steinhauer. Mit Atlas. 3te Aufl., von J. C. G. Hampel. Weimar. 2 vols. 12°. (6,581)
1855. *B—, N. J., and Mit., J.* Manuel du marbrier, etc. Paris. 18° with atlas. (4,626)
- — The marble-worker's manual. From the French. [With an appendix on American marbles.] By M. L. Booth. New York, 1856. 18°. (2,877)
1856. *Dobson, E.* A treatise on masonry and stone-cutting. 2nd ed. London. 12°. (2,891)
- *Reinzel, F.* Englisches Receptbuch für Maurer, etc. Bearbeitet, etc., von A. W. Hertel. Weimar. 12°. (6,589)
- *Toussaint de Sens, C. J.* Manuel de la coupe des pierres, etc. [pp. 202-283, Vocabulaire.] Nouv. éd. Paris. 18° with atlas. (4,638)
1860. *Claudet, J., and Laroque, L.* Das Mauerhandwerk. Nach dem Französischen. Weimar. 12°. (6,789)

MASONRY AND STONE-CUTTING—*continued.*

1866. *Leroy, C. F. A.* Traité de stéréotomie. 4e éd. par E. Martelet. Paris. 4° and fol. (8,601)
1867. *Forbes, G. B., and McEwen, J., and Connolly, T.* Masonry, etc. (2 reports.) *Society of Arts. Reports of Artisans* . . . Paris Universal Exhibition, 1867. 8°. (13,277)
- [1872.] *Lejeune, É.* De la coupe des pierres. Paris. 8° and 4° atlas. (4,143)
1873. *Hinton, L. J.* Report on the working of stone, etc. *Vienna Internat. Exhibition, 1873: U.S. Comm. Reports, Vol. iv.* 1876. 8°. (17,905)
- — Same. Another copy. Washington, 1876. 8°. (18,481)
1878. *Turner, H.* Stone carving. *Society of Arts. Artisan Reports on the Paris Univ. Exhibition, 1878.* 8°. 1879. (18,854)
1884. *Warren, S. E.* * Problems in stone cutting. New York. 8°. (19,873)
1886. *Marx, E.* Constructions-Elemente in Stein. *Durm, J. Handbuch der Architektur. Theil iii. Bd. 1. Abt. 1.* 8°. (22,285)
1887. *Echenoz, H.* Cours pratique de coupe des pierres. Paris. 4°. (20,981)
1889. *Kirk, H. G.* Carving in stone. *Mansion House Committee. Reports of Artisans, Paris Exhibition, 1889.* 8°. (25,318)
- *Howes, A.* Marble masonry. *Ibid.* (25,318)
- *Thomson, J.* Stonemasonry. *Ibid.* (25,318)
- *Monduit, L., and Denis, A.* La stéréotomie au point de vue de la coupe des pierres. Paris. 8° and fol. atlas. (22,531)
1890. *Baker, I. O.* Treatise on masonry construction. 3rd ed. New York. 8°. (22,208)
1893. *Rouché, E., and Brisse, C.* Coupe des pierres, précédée des principes du trait de stéréotomie. Paris. 8° and 4°. (24,497)
1898. *Purchase, W. R.* Practical masonry. A guide to the art of stone cutting. 2nd ed. with glossary. 8°. (25,599)

Meeting-houses. *See Church architecture.*

MERCANTILE BUILDINGS.

1834. *Whitling, H. J.* A series of original designs for shop-fronts. London. 4°. (11,745)
1885. *Ogden, W. S.* Mercantile architecture. 2nd ed. London. fol. (19,876)
1902. *Auer, H.* Börsengebäude. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 2. Heft 2. 8°. (22,285)
- *Kick, P.* Gebäude für Banken und andere Geldinstitute. *Ibid.* 8°. (22,285)
- *Zaar, K., and Zaar, A. J.* Geschäfts- und Kaufhäuser, Warenhäuser und Messpaläste, Passagen oder Galerien. *Ibid.* 8°. (22,285)

Metal construction. See Iron and steel construction; Sheet metal construction.

MILITARY ARCHITECTURE.

(Barracks and Hospitals.)

1867. *Leahy, A.* Reports on military hospital and barrack building. *Paris Univ. Exhibition, 1867; British Comm. Reports.* Vol. iv. 1868. 8°. (13,626)
1870. *United States War Dept.* A report on barracks and hospitals. [By J. S. Billings.] With descriptions of military posts. (Circular, No. 4). Washington. 4°. (15,134)
1880. *Marín y Leon, J.* Cuartelamiento higiénico, sistema Tollet. *Memorial de Ingenieros.* 2a época. Tomo xxxv. 8°. F 96: 816
1882. *Schuster, A.* Kasernen. *Pittenger, M. von., and Ziemsen, H. von.* Handbuch der Hygiene, etc. Theil ii. Abt. 2. 8°. (20,988)
1887. *Richter, F.* Gebäude für militärische Zwecke. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 7. 8°. (22,285)
1895. *Moncrieff, G. K. Scott.* The design of soldiers' barracks. *Roy. Engineers, Corps of.* Prof. Papers. Vol. xxi. F 90: 844
1897. *Helbig, C. E.* Gesundheitliche Ansprüche an militärische Bauten. *Weyl, T.* Handbuch der Hygiene. Band iv. [Lief. 5.] 8°. (24,517)

MILITARY ARCHITECTURE—*continued.**(Hospitals.)*

1870. *Cerero, R.* Ante-proyecto para el hospital militar de la Plaza de Cadiz. *Memorial de Ingenieros.* 2a época. Tomo xxv. F 96: 846
1871. *United States War Dept. (Surgeon-General.)* Approved plans and specifications for post hospitals. (Circular, No. 2.) Washington. 4°. (15,590)
1879. *Luxan y Garcia, M. de.* Hospitales militares. *Memorial de Ingenieros.* 2a época. Tomo xxxiv. F 96: 846
1885. — Un proyecto italiano de hospital militar. *Ibid.* 3a época. Tomo ii. F 96: 846
1890. *Cano y de León, M.* El nuevo hospital militar de Madrid. *Ibid.* Tomo viii. F 96: 846
1898. *Galton, Sir D.* Hospital construction. *Roy. Engineers, Corps of.* Prof. Papers. Vol. xxiv. F 90: 844

Mineral wool. *See* Slagwool.

MONUMENTS.

1638. *Boxhorn, M. Z.* Monumenta illustrium virorum et elogia. Amsterdam. fol. (1,956)
1662. *Hottinger, J. H.* Cippi Hebraici: sive Hebræorum, tam veterum quam recentiorum monumenta. 2a ed. Heidelberg. 8°. (1,985)
1712. *Gregory, J. M.* An account of the sepulchres of the Ancients and a description of their monuments. London. 8°. (2,074)

Mortars or cements. *See* Cements, Building.

MORTUARIES.

1887. *Schmitt, E.* Leichenschauhäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 7. 8°. (22,285)
1895. *Gaubert, B.* Les chambres mortuaires d'attente, devant l'histoire, la législation, l'hygiène et le culte des morts. Paris. 8°. (24,587)

Mouldings. *See* Plastering, etc.

MUSEUMS AND ART GALLERIES.

1824. *Wiebeking, K. F. von.* Mémoire sur l'état de l'architecture civile dans le moyen âge. [Followed by] *Projet de deux musées . . . à Londres.* [Reprint.] Munich. 4°. (11,757)
1853. *Papworth, J. W., and Papworth, W.* Museums, libraries, and picture galleries. London. 8°. (8,281)
1893. *Wagner, H.* Museen. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 4. 8°. (22,285)

OBELISKS.

1839. *Le Bas, A.* L'Obélisque de Luxor. Histoire de sa translation à Paris, etc. Paris. 4°. (16,655)

Offices. *See* Mercantile buildings.

Onyx marbles. *See* Marble.

Orchestra stands and pavilions. *See* Band-stands.

Painting, House. *See* House painting.

PANORAMAS.

1839. *Daguerre, L. J. M.* Historique, etc. . . . du diorama. Nouv. éd. Paris. sm 8°. (27,461)
- — History, etc., of . . . dioramic painting. From the French by J. S. Memes. London. 8°. (9,415)
1885. *Lieblich, J., and Wagner, H.* Panoramen. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)
1889. *Bapst, G.* Les panoramas. *Paris Univ. Exhibition, 1889, Rapports du Jury.* Classe 11. 1891. 8°. (26,673)
- [189 ?] *Moltent, A.* Instructions pratiques sur l'emploi des appareils de projection; lanternes magiques, fantasmagories, polyoramas, etc. 4e éd. Paris. 18°. (25,221)
1891. *Bapst, G.* Essai sur l'histoire des panoramas et des dioramas. Paris. 8°. (17,358)

PANTHÉON FRANÇAIS.

1797. *Rondelet, J.* Mémoire historique sur le dôme du Panthéon Français. Paris. 4°. (589)

Paper roofs. *See* Roofs and roofing (*Paper*).

Parapets. *See* Walls, etc.

PARIS.

(*Architecture.*)

- 1806-9. *Legrand, J. G.* Description de Paris et ses édifices, avec . . . des observations sur le caractère de leur architecture, etc. Paris. 2 vols. 8°. (2,373)
- 1875-82. *Fournier, E., and others.* Paris à travers les âges: aspects successifs des monuments et quartiers de Paris depuis le XIIIe Siècle jusqu' à nos jours, [restitués par F. Hoffbauer]. Paris. 2 vols. fol. (17,653) *Vol. ii. incomplete.*

Parquetry floors. *See* Floors and ceilings.

Pavilions. *See* Band-stands; Exhibition buildings; Summer-houses.

Photography, Architectural. *See* Architectural photography.

Picture galleries. *See* Museums and art galleries.

PISÉ OR COB WORK.

1835. *Wilds, W.* Instructions in the art of building cottages, etc.; an easy method of constructing earthen walls, adapted to the erection of dwelling houses, etc. London. 8°. (13,523)
1853. *Thomason Civil Engineering College, Roorkee.* [Professional papers.] (3) Earthwork and constructions in Pisé. By R. Maclagan. Roorkee. 8°. (1,785)
1857. — Papers. No. iv. Earthwork. [Appendix I. On building in Pisé.] Roorkee. 8°. (13,775)
1866. *Schüler, F. K.* Ueber Pisébau, oder Erdstampfbau. Salzungen. sm. 8°. (16,179)

PLASTERING AND PLASTERS.

1867. *Bartlett, C.* Plasterers' work. *Society of Arts, Reports of Artisans.* . . . Paris Univ. Exhibition, 1867. 8°. (13,277)
- *Heusinger von Waldegg, E.* Der Gypsbrenner, Gyps-giesser und Gypsbaumeister, sowie Tünch- und Stuckarbeiter. Leipzig. 8°. (21,060)
Bibliography; pp. 347-351.
1879. *Cameron, K.* Cameron's plasterer's manual. New York. sm. 8°. (19,138)
1883. *Hodgson, F. T.* Mortars and cements, how to make, and how to use. With an illustrated glossary of terms used in plastering and plaster decoration. New York. sm. 8°. (7,501)
1889. *Smyth, T.* Plastering *Mansion House Committee Reports of Artisans, Paris Exhibition, 1889.* 8°. (25,318)
1891. *Göller, A.* Gesimse. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 2. 8°. (22,285)
1893. *Merrill, F. J. H.* Gypsum industry of New York. *New York State Museum. Bulletin.* Vol. 3. No. 11. H 50: 887a
1897. *Millar, W.* Plastering, plain and decorative. A treatise on the art and craft of plastering and modelling. With an account of historical plastering. . . . [And] an introductory chapter entitled "A glimpse of its history," by G. T. Robinson. London. 4° (2,002)
pp. 555-570. Appendix of memoranda, recipes, and glossary.
1901. *Pedrotti, M.* Der Gips und seine Verwendung. Handbuch für Bau- und Maurermeister, Stuccateure, Modelleure, Bildhauer, etc. Wien. sm. 8°. (27,848)

PLUMBING.

(General treatises.)

1773. *La Gardette, C. M. de.* L'art du plombier et fontainier. *Acad. des Sciences, Paris.* Description des Arts et Métiers. Vol. 5. fol. (2,192)
1838. *Plumber.* The plumber, painter, and glazier. London. 12°. (11,080)
1867. *Biston, V., and Janvier, —.* Manuel du mécanicien-fontainier, etc. Partie 3. L'art du plombier. Nouv. éd., par F. Malepeyre. Paris. 18°. (4,655)

PLUMBING—continued.

(General treatises)—continued.

1858. *Petri, J. G.* Der Brunnen-, Röhren-, Pumpen- und Spritzen-Meister, auch Bleiarbeiter. [From the French of V. Biston and Janvier.] 4te Aufl. von C. H. Schmidt. [Theil 3. Die Kunst des Bleiarbeiters.] Weimar. 12°. (6,603)
1876. *Buchan, W. P.* Plumbing. Art of the plumber. London. 12°. (18,098)
1880. *Hellyer, S. S.* The plumber and sanitary houses. 2nd ed. London. 8°. (19,405)
1882. — Sanitary plumbing. Lectures. London. sm. 8°. (8,348)
- 1885-96. *Davies, P. J.* Standard practical plumbing. London. 2 vols. 4°. (11,549)
1885. *Meyer, H. C.* Plumbing problems; or, questions, answers, etc. London. 8°. (14,130)
1887. *Putnam, J. P.* Improved plumbing appliances. New York. 8°. (23,923)
1888. *Clarke, J. W.* Plumbing practice. London. 8°. (21,774)
1889. *Buchan, W. P.* Plumbing. 5th ed. London. 12°. (21,554)
- *Lyne, R. J.* Plumbing. *Mansion House Committee.* Reports of Artisans, Paris Exhibition, 1889. 8°. (25,318)
- *Vacher, F.* Defects in plumbing and drainage work. London. 8°. (21,869)
1890. *Maguire, W. R.* Domestic sanitary drainage and plumbing. London. 8°. (22,497)
1891. *Hellyer, S. S.* Principles, etc., of plumbing. London. sm. 8°. (23,238)
1892. *Thomson, J.* Lecture on sanitary plumbing. Edinburgh. 8°. (10,326)
1893. *Clarke, J. W.* Lectures to plumbers. London. 4°. (23,642)
- *Smeaton, J.* Plumbing, drainage, water supply, and hot water fitting. London. 8°. (23,713)
1895. *Davies, P. J.* Standard practical plumbing. 4th ed. Vol. i. London. 4°. (24,787)
1896. *Hart, J. W.* External plumbing work. [Lead work for roofs.] London. 8°. (27,049)

PLUMBING—continued.

(General treatises)—continued.

- [1896.] "*Lancet*" (The). Water supply, etc., Commissions. [Part I. Report of the Lancet special commission on the relative efficiency and cost of plumber's work. From the "*Lancet*," July 4, 1896.] London. sm. 8°. (26,483)
1897. *Buchan, W. P.* Plumbing. 7th ed. London. sm. 8°. (3,171)
- *Denfer, J.* Plomberie, etc. Paris. 8°. (1,580)
1898. *Aucamus, E.* Menuiserie, etc. [Pt. 3. Plomberie.] Paris. sm. 8°. (17,805)
1901. *Hart, J. W.* Hints to plumbers on joint wiping, pipe bending, and lead burning. 3rd ed. London. 8°. (27 415)

(Ornamental.)

1893. *Lethaby, W. H.* Leadwork; old and ornamental. London. sm. 8°. (23,680)

(Periodicals.)

- 1879, etc. *Plumber and Decorator and Journal of Gas and Sanitary Engineering.* London. F 54,879
- 1884-85. *Plumbing and Decorating Chronicle.* London. F 54,884

POMPEII.

1824. *Gell, Sir W., and Gandy, J. P.* Pompeiana. New ed. London. 2 vols. 8°. (739)
1837. *Gell, Sir W.* Pompeiana: the topography, edifices and ornaments of Pompeii. The result of excavations since 1819. London. 2 vols. 8°. (870)
- In continuation of preceding work (739).
1854. *Crystal Palace Co.* The Pompeian Court in the Crystal Palace. Described by G. Scharf. Sydenham. sm. 8°. (15,305)
- [1854-81?] *Niccolini, F., and Niccolini, F.* Le case ed i monumenti di Pompei, disegnati e descritti. Napoli. fol. (5,910) *Imperfect.*

Porticos. *See* Roofs and roofing.

Portland cement. *See* Cements, Building (*Hydraulic cements*).

POST AND TELEGRAPH OFFICES.

1896. *Neumann, R.* Gebäude für den Post-, Telegraphen- und Fernsprechdienst. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 2. Heft 3. 8°. (22,285)

Pozzuolana. *See* Cements, Building (*Hydraulic cements*.)

Price-books, Builders' and carpenters'. *See* Building construction (*Price-books; pocket-books*); Carpentry (*Dictionaries and price-lists*).

PRISONS.

(*General treatises.*)

1791. *Bentham, J.* Panopticon, or the inspection house. Dublin. 8°. (568)
- [1803.] *Edington, R.* A descriptive plan for erecting a penitentiary house, etc. London. 4°. (18,269)
1845. *Jebb, Sir J.* On the construction and ventilation of prisons. *Roy. Engineers, Corps of.* Papers. Vol. vii. F 90: 844
1887. Straf- und Besserungs-Anstalten.
Landauer, T. von, and Schmitt, E. Gefangenhäuser.
 — and *Wagner, H.* Sonstige Straf- und Besserungs-Anstalten.
Durm, J. Handbuch der Architektur. Theil iv. Halb-Band 7. 8°. (22,285)

(*Management and Hygiene.*)

1835. *Hutchinson, J.* A report on the medical management of the Native Jails [Governments of Fort William and Agra]. Added, Observations on the principal diseases to which native prisoners are liable. Calcutta. 8°. (1,586)
1845. — Observations on the general and medical management of Indian Jails, etc. 2nd ed. Calcutta. 8°. (1,660)

PRISONS—continued.

(Management and Hygiene)—continued.

- 1845-54. *India, North-Western Provinces, Gov't. of. Prisons.* Report of Inspector on the management of Jails, 1845-51. Added, Reports of the Inspector-General of Prisons for 1852-54. Agra, 1852-55. fol. (1,761)
- 1855-56. *Madras, Gov't. of. Prisons.* Reports of Inspector. Madras, 1856. fol. (1,865)
1882. *Buer, A.* Gefängniss-Hygiene. *Pettenkofer, M. von, and Ziemssen, H. von.* Handbuch der Hygiene, etc. Theil II. Abt. 2. 8°. (20,988)
1899. — Die Hygiene des Gefängniswesens. *Weyl, T.* Handbuch der Hygiene. Band V. Abt. 2. 8°. (24,547)

PUBLIC BUILDINGS.

1881. *Snell, H. S.* Charitable and parochial establishments. London. fol. (21,249)
1885. *Cachoux, É.* L'économiste pratique. Construction et organisation des crèches, salles d'asile, écoles, . . . bains, lavoirs, . . . nourriceries, maternités, dispensaires, hôpitaux, etc. Paris. 8° and fol. atlas. (19,872)
1887. *Kortüm, A.* Gebäude für Ministerien, Botschaften und Gesandtschaften. *Durm, J.* Handbuch der Architektur. Theil IV. Halb-Band 7. 8°. (22,285)
- *Osthoff, G., and Meyer, H.* Geschäftshäuser für sonstige öffentlichen und privaten Verwaltungen. *Ibid.* 8°. (22,285)
- *Schwechten, F., and Wagner, H.* Geschäftshäuser für staatliche Provinz-, Kreis- und Ortsbehörden. *Ibid.* 8°. (22,285)
1888. *Dehaitre, F.* Machines et appareils pour l'établissements hospitaliers, religieux, militaires, maritimes, établissements d'instruction, etc. Renseignements pratiques sur le chauffage, ventilation, etc. 8°. (21,898)
1889. *Colyer, F.* Public institutions: their engineering, sanitary, and other appliances, with the construction of special departments. London. 8°. (21,838)
- *Société Industrielle de Mulhouse.* Enquête décennale sur les institutions d'utilité publique de la Haute-Alsace. Mulhouse. 8°. (3,048)
1891. *Rochard, J., and Vallin, E.* Etablissements publics. *Rochard J.* Encyclopédie d'hygiène. Tomes 3 and 4. 8°. (23,418)

Public halls. *See* Theatres and public halls.

PYRAMIDS.

1737. *Greaves, J.* Miscellaneous works. [Vol. i. Pyramidographia; or a description of the pyramids of Egypt, etc. Added, in vol. ii., Reflections on the Pyramidographia, by an anonymous author, etc.] London. 2 vols. 8°. (2,123)
1870. *Smyth, C. P.* A poor man's photography at the Great Pyramid. London. 8°. (22,093)
1874. — The Great Pyramid and the Royal Society London. 8°. (16,440)

Quarrying slate. *See* Slate and slate quarrying.

RECORD OFFICES.

1893. *Opfermann, R.* Archive. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 4. 8°. (22,285)

RESTAURANTS AND COFFEE-HOUSES.

1885. *Schmitt, E.* Volksküchen und Speiseanstalten für Arbeiter; Volks-Kaffeehäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8°. (22,285)
- *Wagner, H.* Schank- und Speise-Localen; Kaffeehäuser und Restaurants. *Ibid.* 8°. (22,285)
1895. *Knauff, M., and Weyl, T.* Asyle, niedere Herbergen, Volksküchen, etc. *Weyl, T.* Handbuch der Hygiene. Band vi. Heft 3. 8°. (24,547)

ROME.

(Vatican.)

1694. *Fontana, C.* Templum Vaticanum et ipsius origo. [In Latin and Italian.] Roma. fol. (13,385)

ROOFS AND ROOFING.

(General treatises [including Wooden roofs].)

1736. *Smith, J.* A specimen of ancient carpentry. [Part i. Designs for roofs.] London. 4°. (15,734)
1766. *Duhamel du Monceau, H. L.* Art du couvreur. *Acad. des Sciences, Paris.* Description des Arts et Métiers. Vol. 5. (2,192)
1849. *Waddington, C.* The doctrines of carpentry examined, in their application to the construction of a roof. *Roy. Engineers, Corps of Papers.* Vol. x. F 90: 844
1851. *Trendall, E. W.* Examples for roofs, etc. A book of working drawings. London. 4°. (13,307)
1855. *Thomason Civil Engineering College, Roorkee.* [Professional Papers.] (5) Statement showing the method followed in computing the scantlings of beams for flat roofs. By L. T. Boileau. Roorkee. 8°. (1,785)
1858. *Matthaei, K. L.* Der vollkommene Dachdecker. 2te Aufl. von A. W. Hertel. Weimar. 12°. (6,616)
1859. *Robison, J., and others.* A rudimentary treatise on the principles of construction in the carpentry and joinery of roofs. London. 12°. (2,975)
1877. *Berleker, G.* Das Holz-Zement-Dach. Leipzig. sm. 8°. (8,016)
1883. *Tarn, E. W.* Treatise on the construction of roofs of wood and iron. 2nd ed. London. 12°. (11,387)
1884. *Ewerbeck, F.* Vordächer. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 6. 8°. (22,285)
1892. *Peopler, W.* Pocket stair builder and carpenters' handbook. Embracing . . . roofing, etc. Pittsburgh. 8°. (24,351)
1893. *Denfer, J.* Couverture des édifices. Paris. 8°. (24,489)
1894. *Koch, H.* Dachdeckungen; Nebenanlagen der Dächer. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 5. 8°. (22,285)
1897. *Landsberg, T.* Dachstuhl-Constructions. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 4. 8°. (22,285)
- *Schmitt, E.* Dächer im Allgemeinen. Dachformen. *Ibid.* 8°. (22,285)

ROOFS AND ROOFING—*continued.**(Masonry.)*

1894. *Marx, E.* Massive Steindächer. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 5. 8°. (22,285)

(Metal and Glass.)

1859. *Garbett, E. L.* Construction of roofs of iron. Atlas. London. 4°. (4,317)
1869. *Braby, F., and Co.* Instructions for, and examples of, the application of zinc for covering houses, railway stations, etc. London. obl. 8°. (14,486)
- [188 ?] *Campin, F.* On the construction of iron roofs. London. 4°. (21,406)
1882. *Timmings, T.* Examples of iron roofs. London. 4°. (14,705)
1884. *Walmisley, A. T.* Iron roofs. Examples of designs. Description. illustrated with working drawings. London. fol. (15,762)
1887. *Landsberg, T.* Die Glas- und Wellblechdeckung der eisernen Dächer. Darmstadt. 8°. (21,374)
1891. *Balfour, H. and Co.* Roof designs in iron and steel. Leven. 16°. (8,685)
1894. *Schwering, L.* Verglaste Dächer und Dachlichter. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 5. 8°. (22,285)

(Composition.)

- 1875-80. *Sinsabaugh, L. W.* Digest of United States Patents for . . . roofing compositions, to 1879. Washington. 8°. (11,856)
1902. *Mattar, S.* Dachpappe und Holzcement. Praktische Anleitung zur Herstellung der Dachpappen-, Holzcement- und Kiespapp-Dächer und deren Materialien. Wiesbaden. sm. 8°. (29,161)

(Paper.)

1811. *Loudon, J. C.* An account of the paper roofs used at Tew Lodge, Oxon. London. 8°. (10,376)
1883. *Luhmann, E.* Die Fabrikation der Dachpappe und der Anstrichmasse für Pappdächer. Wien. sm. 8°. (9,849)

ROOFS AND ROOFING—*continued.*

(Gothic.)

1841. *British Critic.* On open roofs. [A review.] [Excerpt.]
8°. (5,573)
1871. *Morris, T.* Brief chapters on British carpentry: history and principles of Gothic roofs. London.
8°. (22,441)

ROYAL EXCHANGE.

1838. *Angell, S.* Historical sketch of the Royal Exchange. London. 8°. (6,206)

Rustic-work. *See* Landscape architecture.

ST. GEORGE'S CATHEDRAL, SOUTHWARK.

1851. *W., C., and W., A.* [i.e., *C. and A. White*]. A description of St. George's Cathedral, etc., Southwark. London. 8°. (8,705)

ST. PETER'S, ROME.

1684. *Costaguti, G. B.* Architettura della Basilica di S. Pietro in Vaticano. Roma. fol. (402)

Saltpetering in brick work. *See* Damp prevention in buildings.Sanatoria. *See* Hospitals.Sanitation, Domestic. *See* Domestic hygiene and sanitation.

SCAFFOLDING.

1834. *Pirie, R.* The use of machinery in the erection of buildings and scaffolding, with the method of repairing spires by ladders. Darlington. 4°. (18,210)

SCENE-PAINTING.

- [1875.] *Lloyds, F.* Practical guide to scene-painting and painting in distemper. London. sm. 4°. (17,316)

Schools. *See* Educational buildings.

Sculpture, Preserving. *See* Stone, Preserving.

SHEET METAL CONSTRUCTION.

1862. *Demarteau, A.* Galvanized iron and its applications to building, etc. A description of J. and G. Winiwater's manufactory in Gumpoldskirchen, Austria, etc. London. obl. 8°. (6,801)
1885. *Stoll, F.* Das schlesische Zinkblech und seine Verwendung im Baufache. 2te Aufl. Lipine. 8°. (20,029)

Shops. *See* Mercantile buildings.

SHORING AND UNDERPINNING.

1882. *Stock, C. H.* A treatise on shoring and underpinning. London. 8°. (16,603)
1887. *Blagrove, G. H.* Shoring and its application. London. 12°. (17,180)
1902. *Stock, C. H.* A treatise on shoring and underpinning. 3rd ed., by F. R. Farrow. London. 8°. (28,976)

Sidero-cement. *See* Cements, Building (*Armoured cements*).

SIGN-WRITING.

1871. *Callingham, J.* Sign-writing and glass-embossing. London. sm. 8°. (15,480)
1885. *Hagen, R.* Praktische Anleitung zur Schriftmalerei. Wien. sm. 8°. (8,732)
- [1890 ?] *Sutherland, W.* The art and craft of sign-writing, gilding, embossing and painting on glass. Manchester. fol. (22,162)
- 1897-98. *Sutherland, W., and Sutherland, W. G.* The sign-writer and glass embosser. [Parts i.-iv.] London. fol. (3,884)

SLAGWOOL.

1890. *Gast and Atchison, Messrs.* The uses of mineral wool in architecture, car building, and steam engineering. Toronto. 12°. (8,202)

SLATE AND SLATE QUARRYING.

1766. *Fougeroux de Bondaroy, A. D.* Art de tirer des carrières la pierre d'ardoise, etc. *Acad. des Sciences, Paris.* Description des Arts et Métiers. Tome 5 fol. (2,192)
1845. *Hughes, S.* Notice of the Bangor slate quarries, with some general remarks on slate, and the various modes of working it. *Weale, J.* Quarterly Papers on Engineering. Vol. 3. E 20: 844
1880. *Davies, D. C.* A treatise on slate and slate quarrying. 2nd ed. London. 12°. (19,535)
1897. *Watrin, N.* Les Ardoisières des Ardennes. Description et exploitation du schiste ardoisier, fabrication des ardoises, etc. Charleville. 8°. (18,504)

SLAUGHTERHOUSES AND CATTLE MARKETS.

1828. *Hakerill, J.* Plans, etc., of the abattoirs of Paris. London. 4°. (2,507)
- 1881-82. *Osthoff, G.* Die Schlachthöfe und Viehmärkte der Neuzeit. Leipzig. sm. 8°. (5,177)
1884. — Schlachthöfe und Viehmärkte. Märkte für Pferde und Hornvieh. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 3. 8°. (22,285)
1885. *Blankenstein, H., and Lindemann, A.* Der Zentral-Vieh- und Schlachthof zu Berlin, seine baulichen Anlagen und Betriebs-Einrichtungen. Berlin. fol. (12,482)
1891. *Osthoff, G.* Schlachthöfe und Viehmärkte. Märkte für Pferde und Hornvieh. *Durm, J.* Handbuch der Architektur. 2te Aufl. Theil iv. Halb-Band 3. Heft 2. 8°. (28,712)
1901. *Schwarz, O.* Maschinenkunde für den Schlachthof-Betrieb. Berlin. 8°. (27,720)
- — Public abattoirs and cattle markets. From the German by G. T. Harrap and L. M. Douglas. London. 8°. (27,620)

Smoke-prevention. *See* [Furnaces, etc.]; Stoves and grates.

Societies. Special buildings for. *See* Hotels and clubs; Educational buildings.

Soup Kitchens. *See* Restaurants, etc.

Specifications, Architectural. *See* Building construction (*Specifications; valuation; etc.*)

Sports, Special buildings for. *See* Games and sports (*Special buildings and appliances for*).

STAIRBUILDING AND HANDRAILING.

- [1698 ?] *Lebrun, C.* Le grand escalier de Versailles. Paris. fol. (403)
1739. *Horst, T. van der.* Theatrum Machinarum universale; of nieuwe algemeene Bouwkunde, etc. Amsterdam. fol. (6,977)
Designs for staircases, balusters, etc.
1844. *Boutereau, C.* Construction des escaliers en bois. Paris. 18°, with atlas. (4,437)
1845. —. Das Ganze des Treppenbaues, etc. Nach dem Französischen, etc. von. J. A. Schultz. Weimar. 12°. (6,691)
1851. *Cupper, R. A.* Universal stair-builder. New York. fol. (7,253)
1854. *Wülfer, M.* Gründliche Anweisung zum Treppenbau für Tischler, Zimmerleute, und Maurer, etc. 5te Aufl. Weimar. 12°. (6,578)
1859. *Esterbrook, W. P., and Monckton, J. H.* The American stair builder. With designs for staircases, handrails, newels, and balusters. New York. obl. fol. (17,616)
1874. *Jones, J.* Handrailing cut square to the plank, without a falling mould. London. fol. (17,901)
1875. *Aubineau, —.* Traité . . . de la construction des escaliers en charpente et en pierre. 3e éd. Paris. 12°, and fol. atlas. (19,799)
1878. *Twiss, W.* Handrailing on the block system. Manchester. 8°. (12,827)
1882. *Creswell, F. O.* Handrailing and staircasing: a complete set of lines for handrails by "square-cut system," and instructions for making and fixing geometrical staircases. London. 12°. (8,654)
- *Vaudou, L.* Le menuisier en escaliers. Tours. fol. (1,496)
- [1887-90.] *Nix, G. H.* Handbuch der Treppenbaukunst. Leipzig. 4°. (22,966)
1888. *Marwick, T. P.* History and construction of staircases. Edinburgh. 8°. (1,504)
- *Monckton, J. H.* Stair-building in its various forms: and the one plane method of hand-railing. 2nd ed. New York. 4°. (21,700)
1889. *Secor, J. V. H.* The nonpareil system of handrailing. New York. 8°. (22,055)
1891. *Ewerbeck, F., and Schmitt, E.* Einfriedigungen, Brüstungen und Geländer, etc. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 2. 8°. (22,285)

STAIRBUILDING AND HANDRAILING—*continued.*

1892. *Greve, H.* Eisenconstructions. Theil i. Die schmiede- und gusseisernen Flur- und Wendeltreppen. Berlin. sm. 8°. (20,134)
- *Peoples, W.* Pocket stair-builder and carpenters' handbook. Pittsburgh. 8°. (24,354)
- *Schmitt, O., and Schmitt, E.* Treppen und Rampen. *Durm, J.* Handbuch der Architektur Theil iii. Bd. 3. Heft 2. 8°. (22,285)
1893. *Wagner, H.* Vorräume, Treppen-, Hof- und Saal-Anlagen. *Durm, J.* Handbuch der Architektur. 2te Aufl. Theiliv. Halb-Band 1. 8°. (28,712)
1894. *Wood, W. H.* Practical stair-building and hand-railing by the square section and falling line system. London. 4°. (25,617)
1899. *Müller, W.* Der Bau eiserner Treppen. Leipzig. 4°. (26,335)
1900. *Mowat, W., and Mowat, A.* A treatise on stair-building and handrailing. Pt. i. Stairbuilding. Pt. ii. Handrailing. Pt. iii. Stone stairs. London. 1. 8°. (27,028)

Steam, Heating buildings by. *See* Heating and ventilating buildings (*By steam circulation*).

Steel construction. *See* Iron and steel construction.

Stereotomy. *See* Masonry and stone-cutting.

STONE.

(*General treatises.*)

1787. *Alopäus, S.* Kurze Beschreibung der in Russisch-Kaiserlich Carelien befindlichen Marmor und andern Steinbruchen, Berg- und Steinarten. St. Petersburg. 8°. (11,430)
1850. *Luard, Beedham, and Company.* Remarks on Caen and Aubigny stone: also extracts from papers and reports by T. L. Donaldson and others. London. 8°. (18,271). *See also* *London International Exhibition of 1851. Prospectuses of Exhibitors. Vol. I.* (1,127)
1853. *Thomason Civil Engineering College, Roorkee.* [Professional Papers.] (4) Notes and experiments on the stone and timber of the Gwalior territory. By A. Cunningham. Roorkee. 8°. (1,785)

STONE—*continued.**(General treatises)*—*continued.*

1862. *Hartmann, C. F. A.* Handbuch der Steinarbeiten. 2te Aufl. Weimar. 12°. (6,755)
1872. *Hull, E.* A treatise on the building and ornamental stones of Great Britain and foreign countries. London. 8°. (16,137)
1876. — Quarries and building stones. *Bevan, G. P.* British Manufacturing Industries. [II.] sm. 8°. (17,584)
- *Newberry, J. S.* Building and ornamental stones. *Philadelphia Internat. Exhibition, 1876: U.S. Centennial Comm. Reports and Awards. Group 1.* 1878. 8°. (9,713)
1878. *Muralt, H. von.* Die Bausteine der Schweiz. *Schweizerische Ingenieur- und Architekten Verein. Techn. Mittheilungen. Heft 12.* 8°. E 18 : 876
1881. *Camis, V.* Cave e cementi. *Milan: Esposizione Industr. Italiana del 1881. Relazioni dei Giurati. [Vol. 12.]* 8°. (4,646)
1883. *United States: Census Office.* (10th Census, 1880). Report on building stones, and statistics of the quarry industry. Washington. 4°. (21,405)
1888. *Smock, J. C.* Building stone in the state of New York. *New York State Museum. Bulletin. Vol. I. No. 3.* H 50 : 887a
1889. *Krüger, R.* Die natürlichen Gesteine; ihre chemisch-mineralogische Zusammensetzung, Gewinnung, Prüfung, Bearbeitung und Conservirung. Wien. 2 vols. in one. sm. 8°. (21,822)
1890. *Luard, C. E.* Stone: how to get it and how to use it. London. 8°. (22,693)
- *Smock, J. C.* Building-stone in New York. *New York State Museum. Bulletin. Vol. 2. No. 10.* H 50 : 887a
1891. *Merrill, G. P.* Stones for building and decoration. New York. 8°. (12,382)
1897. — Same. 2nd ed. New York. 8°. (3,510)
With a bibliography and glossary.
1898. *Buckley, E. R.* On the building and ornamental stones of Wisconsin. *Wisconsin Geol. etc. Survey. Bulletin. Economic series. No. ii.* G 30 W;
Contains chapters on the uses, selection, and tests of building stones.
- *Merrill, G. P., and Mathews, E. B.* The building and decorative stones of Maryland. *Maryland (State) Geol. Survey. Reports. Vol. ii. Part ii.* G 30 M:

STONE—continued.

(Tests.)

1876. *Gillmore, Q. A.* Report on the compressive strength, specific gravity, etc., of the building stones in the United States. New York. 8°. (8,699)
1884. *Colorado: Board of Capitol Managers.* Report of the Committee on building stone, embracing the report and tables of the Denver Society of Civil Engineers, and of Prof. R. Chauvenet. Denver. 8°. (11,681)
- *Tetmajer, L.* Methoden und Resultate der Prüfung natürlicher und künstlicher Bausteine. Zürich (Schweizerische Polytechnikum) Prüfungs-Anstalt. Mittheilungen. F 5: 884.
1889. *Böhme, —.* Untersuchungen von natürlichen Gesteinen. Königl. Techn. Versuchsanstalten, Mittheilungen. Ergänzungsheft. 1889. No. ii. F 5: 883a
1892. *Beare, T. H.* Building stones of Great Britain: their crushing strength and other properties. [Excerpt.] London. 8°. (8,312)
1893. *Burrows, H. W.* Examination of building stones. [Excerpt.] London. 4°. (13,968)

STONE ARCHITECTURE.

1874. *Street, G. E.* Brick and marble [architecture] in the Middle Ages. Notes of tours in the North of Italy. 2nd ed. London. 8°. (19,802)
1884. *Hoffmann, E. H.* Die Bauten von Stein. 3te Aufl. Leipzig. sm. 8°. (8,152)

STONE, ARTIFICIAL.

1841. *Austin, F., and Seeley, J.* Specimen book of artificial stones. London. 4°. (8,718)
1862. *Hartmann, C. F. A.* Handbuch der Steinarbeiten. Nebst einem Anhang über künstliche Steinmassen. 2te Aufl. Weimar. 12°. (6755)
1863. *Kerr, R.* On artificial stone. [Paper read.] London. 4°. (20,494)

STONE, ARTIFICIAL—*continued.*

1867. *Beckwith, L. F.* Report on Béton-Coignet, its fabrication and uses. *Paris Univ. Exhibition, 1867 U.S. Comm.* Washington, 1868. 8°. (17,873)
- *Paul, A.* Des pierres artificielles. *Lacroix, E.* Études sur l'Expos. de 1867. Vol. 6. 8°. (13,101)
- — Same. [Reprint.] *See Bonneville, P., and others.* La fabrication des briques, etc., suivie d'un chapitre sur la fabrication des pierres artificielles, etc. Paris, 1880. 8°. (19,135)
1871. *Gillmore, Q. A.* On Coignet-Béton and other artificial stone. New York. 8°. (17,880)
1900. *Graffigny, H. de.* Les agglomérés. Paris. sm. 8°. (27,555)
- *Stöffler, E.* Kalksandsteine. Bausteine aus quarzigem Sand und Kalk. Die chemischtechnischen Herstellungsverfahren, etc. Zürich. 8°. (27,162)
- — Silico-calcareous sandstones. Building stones from quartz-sand and lime. London. [1901.] 8°. (27,523)
- [1902.] *Lehner, S.* Die Kunststeine. Wien. sm. 8°. (28,362)

Stone⁷construction. *See* Masonry, etc.

Stone, Cutting and working. *See* Masonry and stone-cutting; Stone-working machinery.

STONE, PRESERVING.

- [1860?'] *Szerelmey, N. C.* On the encaustic and zopissa processes, as applied by the Ancients, for indurating and preserving stone, cements, brick, timber, sculpture, and paintings. London. 8°. (17,448)

STONE-WORKING MACHINERY.

1884. *Bale, M. P.* Stone-working machinery and the rapid and economical conversion of stone. London. sm. 8°. (15,894)
1885. *Schwartz, T.* Die Steinbearbeitungsmaschinen mit Bezug auf deren Construction, Anwendung und Leistung. Leipzig. 8°. (4,900)

STOVES AND GRATES.

(General Construction.)

- [1730 ?] *Schübler, J. J.* Neu-inventirte zierliche und bequeme Stuben-Oefen. Nürnberg. fol. 24 plates without text. (3,414)
1753. *Durno, J.* A description of his stove grate. London. 8°. (9,580)
1796. *Danforth, T.* The theory of chimneys and fireplaces investigated; the principle of those recommended by Count Rumford fully explained, etc. London. 8°. (18,998)
- *Rumford, Count.* An essay on chimney fire-places; with proposals for improving them to save fuel, etc. Dublin. 8°. (18,882)
- 1796-1802. — On chimney fire-places; with proposals for improving them, to save fuel, etc. 3rd ed. *In his Experimental Essays.* Vols. I. and III. Essays [IV.] and XI. Dublin, etc. 8°. (584)
1800. — The management of fire, and the economy of fuel. *Ibid.* Vol. II. Essay VI. London. 8°. (584)
1802. — The management of fires in closed fireplaces. *Ibid.* Vol. III. Essay XIV. London. 8°. (584)
1838. *Chanter, J.* Reports on Chanter and Co.'s smoke consumer. [Letters Patent No. 6,920 of 1835.] London. fol. (2,600)
1855. *How to save half your coals.* Bath. sm. 8°. (11,572)
1859. *Combes, C. P. M., and Viollet, J. B.* Die rauchverzehrenden Oefen, etc. Deutsch bearbeitet von C. Hartmann. 2te Aufl. Weimar. 12°. (6,772)
- *Fournel, J.* Die zweckmässigsten . . . Zimmeröfen und Zimmer-Camine, etc. Aus dem Französischen von A. Schultz. 2te Aufl. Weimar. 12°. (6,700)
1870. *Edwards, F.* Our domestic fire-places. New ed. London. 8°. (15,102)
1882. *Fletcher, T.* Economy of fuel for domestic purposes, with special reference to the improvement of old fireplaces. Warrington. 8°. (11,619)
- *Putnam, J. P.* The open fireplace in all ages. With designs for chimney-pieces, etc. New ed. Boston. 4°. (4,318)
1883. *Teale, T. P.* Economy of coal in house fires; how to convert an ordinary fire-grate into a slow-combustion stove. London. 8°. (12,398)

STOVES AND GRATES—continued.

(General Construction)—continued.

1901. Foreign trade in heating and cooking stoves. *U.S. State Dept.* Special Consular Reports. Vol. xxii. Part iii. 8°. C 62: 880a
- 1902, etc. *Haase, F. H.* Der Ofenbau. Einrichtung und Ausführung der Zimmeröfen, der Calorifere, der Küchenöfen und der Badeöfen. Berlin. 4°. (29,117) *In progress.*

(Chimneys.)

1713. G * * * [i.e., *Nicolas Gauger*]. La mécanique du feu. . . . lère Partie. Traité de nouvelles cheminées. Paris. 12°. (27,784)
1715. *Gauger, N.* Fires improv'd: being a new method of building chimnies. Transl. by J. T. Desaguliers. London. 12°. (28)
1716. — The mechanism of fire made in chimneys: or the art of improving the effects and diminishing the expences thereof. Containing a treatise of new-invented chimneys, etc. From the French. London. 4°. (18,281)
1720. *Leutmann, J. G.* Vulcanus Famulans, oder sonderbare Feuernutzung welche durch gute Einrichtung der Stuben-Ofen, Camine, etc., kan erlanget . . . werden. Wittenberg. 8°. (10,318)
1736. *Gauger, N.* Fires improv'd: being a new method of building chimnies. Transl. by J. T. Desaguliers. 2nd ed. With appendix, containing improvements made by the translator and others. London. 8°. (449)
1757. *Carmichael, A., and Brownlie, J.* The Edinburgh smoke-doctor. [Improved forms of chimneys and chimney tops.] Edinburgh. 8°. (9,197)
1760. *Genneté or Genté, C. L.* Nouvelle construction de cheminées. Avec le jugement de l'Académie des Sciences. Liège. 12°. (15,716)
1772. *Cauty, W.* Nature, philosophy and art in friendship. Added, Six letters on interesting subjects. [Cure of smoky chimneys, etc.] London. 8°. (19,055)
- — Same. 2nd ed. London, 1775. 8°. (528)

STOVES AND GRATES—*continued.**(Chimneys)*—*continued.*

1776. *Practical treatise on chimneys*, [with] directions for preventing or removing smoke in houses. [By J. Anderson.] Edinburgh. 12°. (18,615)
- — Same. 2nd ed. Dublin, 1777. 8°. (18,616)
1779. *Clavering, R.* An essay on the construction and building of chimneys. London. 8°. (5,267)
2nd ed. 1788. (9,344) 3rd ed 1793. (573)
1787. *Franklin, B.* Observations on the causes and cure of smoky chimnies. Philadelphia. 8°. (9,723)
- — Same, entitled "A letter on chimneys," pp. 1-50 in his *Philosophical etc., papers.* London. 8°. (14,500)
1793. *Franklin, B.* Observations on smoky chimneys, their causes and cure, with considerations on fuel and stoves. London. 8°. (4,341)
1826. *Hiort, J. W.* Construction of chimneys; with description of the newly-invented tunnel, etc. [Letters Patent No. 5,281 of 1825.] London. 8°. (9,973)
- [1831 ?] *Smith, S.* Description of his patent metallic lining and damper for chimneys, etc. [Letters Patent No. 5,999 of 1830.] London. 8°. (5,689)
1833. *Pasley, Sir C. W.* Capt. Sandham's mode of curing or improving smoky chimneys; with remarks also upon Count Rumford's system, etc. *Roy. Engineers, Corps of.* Papers. Vol. ii. F.90: 844
1844. *Moon, J.* New construction of chimneys with circular flues. London. 8°. (18,274)
1852. *Aëronomic Association.* Report. Being an explanatory statement of certain philosophical principles, etc., exemplified in the improved patent anti-condensating air-conductor. [Letters Patent No. 5,281 of 1825.] [By J. W. Hiort.] London. 8°. (14,906)
- *Eckstein, G. F.* A practical treatise on chimneys; with a few remarks on stoves, the consumption of smoke and coal, ventilation, etc. [With appendix on coppers, baths, flues, etc.] London. sm. 8°. (8,623)
1871. *Edwards, F.* A treatise on smoky chimneys, their cure and prevention. 6th ed. London. 8°. (15,105)

STOVES AND GRATES—continued.

(Chimneys)—continued.

1878. *School of Military Engineering, Chatham. Lectures' Subsoil drainage, . . . [chimneys], etc.* By W. R. Slacke. Chatham. fol. (23,275)
1883. *Braet, G.* Note sur la construction et la stabilité des cheminées en maçonnerie. Bruxelles. 8°. (21,193)
1885. *Foster, G. A.* A treatise on the cause and cure of smoky chimneys, together with the construction and formation of chimneys. London. sm. 8°. (14,185)
1901. *Metalworker (The).* House chimneys. A series of articles. etc., on chimney troubles and their remedies. [Reprint.] New York. sm. 8°. (28,071)

(Chimney and ventilating-shaft tops.)

1901. *Sanitary Institute: Cowl Committee.* Report on the work . . . to practically test ventilating exhaust cowls. *Sanitary Institute. Journal* Vol. xxii. Part 3. H 21 : 880
1902. — *Cowl Committee.* The Kew cowl tests. Preface by P. F. Nursey. [Notes and press opinions on the "Kew cowl tests."] London. sm. 8°. (28,157)

(Chimney-pieces.)

1842. *Delepierre, O.* Les cheminées monumentales de Bruges, de Courtrai, et d'Anvers. Bruges. 8°. (9,492)
- [1880.] *Prignot, E.* La marbrerie moderne. Suite de 25 planches de cheminées, etc. Paris. fol. (19,237)

Stucco. See Cements, Building ; Plastering and plasters.

STUDIOS.

1901. *Schmitt, E.* Künstlerateliers. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 3. 8°. (22,285)

Subsidences. See Buildings, Dangerous, Remedying ; Earthquake-resisting construction ; Shoring and underpinning.

SUMMER-HOUSES.

1773. *Wallis, N.* The carpenter's treasure ; a collection of designs for temples with their plans, gates, doors, rails, and bridges, in the Gothic taste. New ed. London. 8°. (3,626)
1885. *Durm, J., and Wagner, H.* Stübadien und Exedren, Pergolen und Veranden. Gartenhäuser, Kioske und Pavillons. *Durm, J. Handbuch der Architektur. Theil iv. Halb-Band 4.* 8°. (22,285)

Swimming-baths. See Baths and washhouses, Public.

TALL CHIMNEY CLIMBING.

- [1883 ?] *Tall.* Tall-chimney climbing and lightning-rod testing. [By Sanderson & Co., London.] London. 8°. (5,365)

TALL CHIMNEY CONSTRUCTION.

1859. *Rawlinson, Sir R.* Designs for factory, furnace, and other tall chimney shafts. London. fol. (21,013)
1866. *Armstrong, R.* Chimneys for furnaces, fire-places, and steam boilers. [With an appendix on smoke prevention.] London. sm. 8°. (15,717)
American reprint, 1873. (18,312)
1877. *Wilson, R.* Boiler and factory chimneys, their draught-power and stability ; with a chapter on lightning conductors. London. sm. 8°. (18,463)
1883. *Bract, G.* Note sur la construction et la stabilité des cheminées en maçonnerie. Bruxelles. 8°. (21,193)
- *Seddon, H. C.* Report on the fall of the chimney at the Ripley Mills, Bradford, 28th December, 1882. *Roy. Engineers, Corps of. Prof. Papers. Vol. ix.* F 90 : 844
- *Waugh, J.* Report on the Newlands Mills chimney disaster. Bradford. fol. (11,990)
1885. *Bancroft, R. M., and Bancroft, F. J.* Tall chimney construction. Manchester. 8°. (10,009)
1899. *Christie, W. W.* Chimney design and theory. [Chap. x. Lightning protection.] New York. 8°. (26,622)

Telegraph and telephone office buildings. *See* Post and telegraph offices.

TEMPLE CHURCH.

1838. *Billings, R. W.* Architectural illustrations and account of the Temple Church, London. London. 4°. (881)
1843. *Burge, W.* The Temple Church [London]; an account of its restoration and repairs. London. 8°. (13,537)

Tenement buildings. *See* Workmen's dwellings and tenement buildings.

TERRA-COTTA.

1770. *Pincot, D.* Essay on . . . artificial stone, clays, and burnt earth in general. London. 8°. (10,879)
1867. *Baudr, E.* Terres cuites et poteries. *Paris Univ. Exhibition, 1867. Rapports du Jury International. Classe 65. Sect ii.* 1868. 8°. (13,828)
- *Cole, H.* Report on terra cotta. *Paris Univ. Exhibition, 1867; British Comm. Reports. ii.* 1868. 8°. (13,624)
- *Pulham, M. A.* Terra-cotta. *Society of Arts. Reports of Artisans . . . Paris Univ. Exhibition, 1867.* 8°. (13,277)
- 1868-70. *Blashfield, J. M.* Terra-cotta domestic architecture. Pts. i.-vi. [Examples of architectural details in terra-cotta] Stamford. obl. 4°. (1,648)
1873. *Hinton, L. J.* Report on the working of stone, and on artificial stones. [Chap. iv. Terra-cotta.] *Vienna Intern. Exhibition, 1873; U.S. Comm. Reports. Vol. iv.* 1876. 8°. (17,905)
- — Same. Another copy. Washington, 1876. 8°. (18,481)
1878. *Bedford, G.* Terra-cotta. *Society of Arts. Artisan Reports on the Paris Exhibition, 1878.* 1879. 8°. (18,854)
- [1901.] *Dibdin, W. J.* Lime, mortar, and cement. [pp. 169-173 on terra-cotta.] London. sm. 8°. (27,476)

TERRA-COTTA ARCHITECTURE.

1881. *Chabat, P.* La brique et la terre cuite. Etude historique, etc. Avec la collaboration de F. Monmory. Paris. fol. (21,407)
1897. *Borrmann, R.* Die Keramik in der Baukunst. *Durm, J.* Handbuch der Architektur. Theil i. Bd. 4. 8°. (22,285)

Terraces. *See* Landscape architecture.

THEATRES AND PUBLIC HALLS.

1749. *Montenari, Conte G.* Del Teatro Olimpico di A. Palladio in Vincenza. 2a ed., con [la vita di Palladio scritta da P. Gualdo e] lettere due critiche, l'una del Marchese G. Poleni, l'altra dell'autore. Padova, 1749. 8°. (2,152)
1809. *Ware, S.* Remarks on theatres and on the propriety of vaulting them with brick and stone, etc. London. 8°. (13,853)
1812. *Wyatt, G.* Description of a design for a theatre, etc. London. 4°. (11,811)
1848. *Lachèz, T.* Acoustique et optique des salles de réunions publiques, théâtres et amphithéâtres, spectacles, concerts, etc. Suivies d'un projet de salle d'assemblée constituante pour neuf cent membres. Paris. 8°. (28,771)
1855. *Durm, J., and Wagner, H.* Oeffentliche Vernügnungs-Locale und Festhallen. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 4. 8° (22,285)
- *Mylius, J., and Wagner, H.* Baulichkeiten für Cur- und Badeorte. *Ibid.* (22,285)
1856. *Gossct, A.* Traité de la construction des théâtres. Paris. fol. (12,310)
1888. *Buckle, J. G.* Theatre construction and maintenance. A compendium of hints, etc., on the planning, construction, lighting, fire prevention, etc. of a model theatre. London. 8°. (21,449)
1891. *Rochard, J., and Vallin, E.* Théâtres. *Rochard, J.* Encyclopédie d'Hygiène, etc. Tome 3. 8°. (23,448)
1893. *Meano, V.* El nuevo teatro Colon, Buenos Aires. [Excerpt.] Buenos Aires. 8°. (26,598)

THEATRES AND PUBLIC HALLS—*continued.*

- [1893.] *Moynet, G.* La machinerie théâtrale. Trucs et décors. Explication raisonnée de tous les moyens employés pour produire les illusions théâtrales. Paris. 8°. (23,845)
1893. *Wagner, H.* Vorräume, Treppen-, Hof- und Saal-Anlagen. *Durm, J.* Handbuch der Architektur. 2te Aufl. Theil iv. Halb-Band 1. 8°. (28,712)
1894. *Büsing, F. W.* Die Sicherheit in Theatern und in grösseren Versammlungs-Räumen. *Weyl, T.* Handbuch der Hygiene. Bd. vi. Heft 2. 8°. (24,547)
- *Fischer, H.* Heizung, Lüftung und Beleuchtung der Theater und sonstiger Versammlungssäle. *Fort-schritte a. d. G. der Architektur.* No. 5. F 70: 894
1896. *Birkmire, W. H.* The planning and construction of American theatres. New York. 8°. (25,064)
- 1896-98. *Sachs, E. O., and Woodrow, E. A. E.* Modern opera houses and theatres. Examples selected from playhouses recently erected in Europe. With . . . a treatise on theatre planning and construction and supplements on stage machinery, theatre fires, and protective legislation. London. 3 vols. fol. (24,922)
1898. *Sachs, E. O.* Stage construction. Examples of modern stages, selected from playhouses recently erected in Europe . . . being a supplement to "Modern opera houses and theatres." London. fol. (25,359)
1901. *Schmitt, E.* Konzerthäuser und Saalbauten. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 6. Heft 3. 8°. (22,285)

Tiles. *See* Bricks and tiles.

Timber. *See* Wood.

Tombs. *See* Monuments.

TOWN HALLS.

1887. *Bluntschli, F.* Stadt- und Rathhäuser. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 7. 8°. (22,285)

TOWNS.

1882. Flügel, C. Anlage von Ortschaften. *Pettenkofer, M. von.*, and *Ziemssen, H. von.* Handbuch der Hygiene, etc. Theil ii. Abt. 1. 8°. (20,988)
1890. Stübgen, J. Der Städtebau. *Durm, J.* Handbuch der Architektur. Theil iv. Halb-Band 9. 8°. (22,285)
1891. *Arnould, M.* Villes en général. *Rochard, J.* Encyclopédie d'Hygiène. Tome 3. 8°. (23,448)

Towns, Growth of. *See* Building, State regulation of.

Trap doors. *See* Theatres, etc.

Trelliswork. *See* Fences, etc ; Landscape architecture.

Tunnels, Centering. *See* Arches and vaulting (*Centering and decentering*).

Underpinning. *See* Shoring and underpinning.

Vatican. *See* Rome (*Vatican*).

Vaulting. *See* Arches and vaulting.

Ventilating-shaft tops. *See* Stoves and grates (*Chimney and ventilating-shaft tops*).

VENTILATION.

(*Patent literature.*)

- *Ruppert, O.* Sachliche Würdigung der in Deutschland erteilten Patente [1877-80]. Klasse 27. Lüftungs-Vorrichtungen. *Verein zur Beförderung des Gewerbfleißes.* Verhandlungen. Jahrg. 60. B 67 P : 822

(*General treatises.*)

1743. *Hales, S.* A description of ventilators. Whereby . . . fresh air may . . . be conveyed into mines, goals, hospitals, work-houses and ships . . . [for] preserving all sorts of grain . . . as also in drying corn, malt, hops, gunpowder, etc. London. 8°. (457)
1758. —. A treatise on ventilators: their utility in ships, hospitals, mines, etc. Parts 1 and 2. London. 8°. (478)

VENTILATION—*continued.**(General treatises)*—*continued.*

1822. *Meyler, A.* Observations on ventilation, and on the dependence of health on the purity of the air which we respire. London. 8°. (14,511)
1823. *Vallance, J.* A letter . . . on the practicability of rendering those properties of air which relate to caloric applicable to new and important purposes [including ventilation]. London. 8°. (25,550)
1830. *Doyle, M., pseud. [i.e., W. Hickey].* Hints to the peasantry of Ireland on . . . ventilation. Dublin. 12°. (11,355)
1846. *Metropolitan Working Classes Association.* On the ventilation of rooms, houses, workshops, etc. London. 8°. (10,531)
1848. *Ventilation* illustrated. A tract, etc. *Preface* subscribed J. Toynbee. London. 12°. (7,592)
1860. *Nordenburg, J.* Die Ventilatoren und deren Anwendung auf praktische Zwecke, etc. Weimar. 12°. (6,628)
1862. *Perkins, E. E.* A treatise on gas and ventilation. New ed. London. 12°. (7,380)
1863. *Morin, A. J.* Mécanique pratique. Études sur la ventilation. Paris. 2 vols. 8°. (16,158)
- [1866.] ——. Des appareils à employer pour le contrôle des services de ventilation. [Excerpt.] 8°. (26,674)
1867. *Ussel, Vicomte d'.* Ventilation du Palais [de l'Exposition de 1867]. *Paris Universal Exhibition, 1867.* Rapports du Jury. Classe 52. Sect. iv., 1868. 8°. (13,828)
1868. *Potts, W.* His system of ventilation. [Letters Patent No. 2,641 of 1867.] London. 8°. (16,931)
1870. *Gouge, H. A.* New system of ventilation. 3rd ed. New York. 8°. (14,924)
1873. *Butler, W. F.* Ventilation of buildings. New York. 18°. (18,316)
- [188 ?] *Wolff, A. R.* The ventilation of buildings. New York. 8°. (5,304)
1881. *Gouge, H. A.* New system of ventilation. 4th ed. New York. 8°. (12,626)
1882. *Banner, E. G.* Wholesome houses: a handbook of domestic sanitation and ventilation [by the author's system]. New ed. London. sm. 8°. (9,395)

VENTILATION—*continued.**General treatises*)—*continued.*

1883. *Mott, H. A.* The air we breathe and ventilation. New York. sm. 4°. (16,692)
1885. *Ahrendts, —.* Die Ventilation der bewohnten Räume. 2te Aufl. Leipzig. sm. 8°. (3,601)
1889. *Compagnie Parisienne d'Éclairage et de Chauffage par le Gaz.* Éclairage et ventilation par le gaz. Description d'installations et résultats d'expériences. Paris. 4to. (22,240)
1890. *Hoey, D. G.* The science of ventilation. *Inst. of Marine Engineers.* Trans. Vol. ii. F 81: 889
1891. *Buchan, W. P.* Ventilation. With a supplementary chapter on air testing. London. 12°. (23,094)
1894. *Recknagel, G.* Lüftung des Hauses. *Pettenkofer, M. von, and Ziemssen H. von.* Handbuch der Hygiene, etc. Theil i. Abt. 2. Heft 4. 8°. (20,938)
1898. *Gosebruch, W.* Untersuchungen über die Durchlässigkeit von Wänden, etc. für Luft. Ein Beitrag zur Frage der natürlichen Ventilation. *Verein zur Beförderung des Gewerbfleisses: Verhandlungen.* Jahrg. 77 B 67 P: 822
1899. *Boyle, R., and Son, Ltd.* Natural and artificial methods of ventilation. With supplement of diagrams from the "Local Govt. Journal." [Added] Tracts on natural and mechanical ventilation. London. sm. 8°. (26,614)
1902. *Monroe, W. S.* Steam heating and ventilation. [Chaps. vii.-x. Mechanical ventilation.] New York. 8°. (29,217)

Villas. *See* Domestic architecture.

WALLS AND WALL OPENINGS.

1878. *School of Military Engineering, Chatham.* Lectures. Subsoil drainage . . . walls. openings and arches. By W. R. Slacke. Chatham. fol. (23,275)
1891. *Ewerbeck, F., and Schmitt, E.* Einfriedigungen, Brüstungen und Geländer; Balcons, Altane und Erker. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 2. 8°. (22,285)

WALLS AND WALL OPENINGS—*continued*.

1891. *Marx, E.* Wände und Wand-Oeffnungen. *Durm, J.* Handbuch der Architektur. Theil iii. Bd. 2. Heft 1. 8°. (22,285)
1896. *Koch, H.* Fenster, Thüren, und andere bewegliche Wandverschlüsse. *Durm, J.* Handbuch der Architektur. Theil iii. Band 3. Heft 1. 8°. (22,285)
1903. *Koch, H.* Ausbildung der Fussboden- Wand- und Decken-Fläche. *Ibid.* Heft 3. 8°. (22,285)

Warehouses. *See* Market buildings ; Mercantile buildings.

Wash-houses, Public. *See* Baths and wash-houses, Public.

Windows. *See* Lighting, Natural, of buildings ; Masonry and stone-cutting ; Walls and wall openings.

Windows, Ornamental. *See* [Glass painting ; Transparencies].

WOOD.

(Tests.)

1826. *Barlow, P.* An essay on the strength and stress of timber. 3rd ed. London. 8°. (757)
1846. *Chevandier, E., and Wertheim, G.* Mémoire sur les propriétés mécaniques du bois. [Reprint.] Paris. 4°. (13,335)
1848. — Same. [Reprint. With additional tables and plates.] Paris. 8°. (13,294)
1855. *Boileau, I. T.* Method followed in computing the scantlings of beams for flat roofs ; also the manner in which the constants employed have been obtained. *Thomason Civil Engineering College, Roorkee.* Professional papers. [No. 5.] 8°. (1,785)
1867. *Science and Art Department.* Tables of the results of a series of experiments on the strength of British, Colonial, and other woods. By F. Fowke. London. 8°. (20,267)
1876. *Fraser, T.* On the resistance of timber to crushing. *Roy. Engineers, Corps of.* Prof Papers. New Ser. Vol. xxiii. F 90: 844

WOOD—continued.

(Tests)—continued.

1884. *Tetmajer, L.* Methoden und Resultate der Prüfung der schweiz. Bauhölzer. Zürich (*Schweizerisches Polytechnikum*) Prüfungs Anstalt. Mittheilungen. Heft ii. 8°. E 5:884
1889. *Rudeloff, M.* Holzuntersuchungen. Königl. Techn. Versuchsanstalten: Mittheilungen. Ergänzungsheft. 1889. No. iii. E 5:883a
- 1892-93. *Fernow, B. E.* Timber physics. U.S. Department of Agriculture: Division of Forestry. Bulletins 6, 8. J 29 Fo:
- 1897, etc. *Tekniska Samfundet.* Untersuchung der Festigkeits- Eigenschaften Schwedischer Holzarten, in der Material-Prüfungs-Anstalt des Chalmersschen Institutes ausgeführt. i. von A. Wijkander. 1897. Göteborg. 8°. (18,227) *In progress.*

WOOD ARCHITECTURE.

- [189 1] *Rückwardt, H.* Moderne Holz- Bauten. Berlin. fol. (24,020)
1893. *Liebold, B.* Holzarchitectur (Holzbau). Sammlung von Façaden, etc. 3te Aufl. Holzminden. sm. 8°. (11,925)

WOOD-BORERS, MARINE.

1733. *Rousset de Missy, J.* Observations on the sea- or pile-worms [and their ravages in the pile-works of Holland]. From the Dutch. London. 8°. (16,806)
1750. *Linden, D. W.* Letters on mining, etc. With a method to secure ships bottoms from worms [by an improved worm-pitch]. London. 8°. (10,336)
1843. *Hales, S.* Description of ventilators, etc. [pp. 161-165 on the use of verdigris against ship-worms.] London. 8°. (457)
1878. *Baumhauer, E. H. von.* Tereido Navalis, and the means of preserving wood from its ravages. [Excerpt.] New York. 1. 8°. (18,528)
1898. *Snow, C. H.* Marine wood-borers. [Excerpt.] [New York.] 8°. (26,241)

WOOD, FIREPROOFING.

- [1898.] *British Non-flammable Wood Co., Ltd.* Non-flammable wood, history and description of the process. London. sm. 8°. (25,589)
- 1902 *Dumesny, P.* Conservation des bois. Séchage rapide imputrescibilité et ininflammabilité des bois. Paris. sm. 8°. (28,341)

WOOD, PRESERVING ; DRY-ROT.

1803. *Papworth, J. B.* On the causes of dry-rot in buildings. London. 4°. (10,741)
1807. *Pocock, W. I.* Architectural designs for rural cottages, with the causes of the dry rot. London. 4°. (2,376)
1815. *Bowden, A.* A treatise on dry rot, with methods of prevention and cure. Also an inquiry into the origin of fungi. London 8°. (13,577)
- *Dodd, R.* Practical observations on the dry rot in timber, with the best systems of ventilation for ships, etc. London. 8°. (9,538)
1817. *Blackburn, I.* Science of shipbuilding, and the causes, etc., of the dry rot. London. 4°. (17,089)
1818. *McWilliam, R.* Essay on the origin, etc., of the dry rot. London. 4°. (7,126)
1819. *Lingard, J.* Inquiry into the nature, etc., of timber, and the causes, etc., of dry rot. London. 8°. (5,547)
- — Same. London, 1820. *Pamphleteer*. Excerpta [No. 15]. 8°. (5,514)
1821. *Knowles, J.* An inquiry into the means taken to preserve the British Navy from dry rot. London. 4°. (712)
1824. *Burridge, J.* Naval dry rot. [A reply to Sir R. Seppings and J. Knowles.] London. 8°. (15,060)
1825. — Improvements in civil architecture. [Descriptive of author's system of ventilating-bricks (Letters Patent 5,184 of 1825) and their use in preventing dry rot.] London. 8°. (2,494)
- *Finlayson, R.* Essay on . . . the prevention of dry rot in ships. London. 8°. *Pamphleteer*. Excerpta [No. 50]. 8°. (5,514)

WOOD, PRESERVING ; DRY-ROT--*continued.*

1826. *Hawkins, G.* On the oak ; an inquiry into the origin etc., of dry rot. London. 8°. (16,536)
- *Matthews, H.* . . . Cause of the dry rot, with a proposed remedy, etc. London. 8°. (18,557)
1829. *George, J.* A cause of dry rot discovered, with a description of an invention for preserving decked vessels from dry rot and goods on board from heat. [Letters Patent No. 5,590 of 1827.] London. 8°. (14,355)
- Invention is for carrying off hot air from interior of vessel.
1833. *Faraday, M.* On the practical prevention of dry rot in timber. With observations [on Kyan's process]. London. 12°. (17,224)
- For other editions, 1834-40, cf. Nos. (9,658) (2,586) (9,659) (3,962)
1834. *Birkbeck, G.* A lecture on the preservation of timber by Kyan's patent [No. 6,309 of 1832]. London. 8°. (7,565)
- — Same. New ed., with appendix. London. 8°. (12,513)
1835. *Admiralty.* Report on Kyan's patent for the prevention of dry rot. London, 1836. 8°. (15,535)
1836. *Alderson, —.* On Kyan's process for the preservation of timber from dry-rot, with a description of the tank erected for that purpose in the Royal Arsenal, Woolwich. *Roy. Engineers, Corps of Papers.* Vol. i. F 90 : 844
1838. *Dickson, R.* A lecture on the dry rot, and on the means of preventing it. London. 8°. (9,517)
1841. *Herron, J.* Practical description of Herron's patent trellis railway structure . . . with account of the process of Kyanizing . . . for preserving the timber from decay, and the recent discoveries of M. Boucherie by means of the pyrolignite of iron. Philadelphia. 4°. (28,016)
1842. *Lingard, J.* Inquiry into the nature, etc., of timber and the causes of the dry rot. 2nd ed. London. 8°. (16,545)
1845. *Bühler, G. L. W. von.* Der laufende Schwamm in den Gebäuden, seine Entstehung, seine Vertilgung und die sichersten Mittel sein Hervorbrechen zu verhindern. Stuttgart. sm. 8°. (29,104)

WOOD, PRESERVING ; DRY-ROT—*continued.*

1850. *Burnett, Sir W.* Process for the preservation of timber, canvas, etc. [with chloride of zinc. Letters Patent No. 7,747 of 1838]. Parts 1-3. London. 8°. (2,735)
- — Same. Parts 1-3. *London International Exhibition of 1851.* Prospectuses of Exhibitors. Vol. 1. 8°. (1,127)
1856. *Permanent Way Co.* Description of Dr. Boucherie's process [Letters patent, No. 2,034 of 1855] for preserving timber With reports on experiments. London. 8°. (13,696)
Another edition in 1858. (18,439)
1862. *Lapparent, — de.* An essay on the prevention of decay in timber for shipbuilding, etc. London. 8°. (9,173)
1874. *Paulet, M.* Traité de la conservation des bois, etc. Étude chimique. Paris. 1. 8°. (16,967)
1875. *Britton, T. A.* Origin, progress, prevention, and cure of dry rot in timber, with remarks on preserving wood from destruction of sea-worms, etc. London. 8°. (6,491)
1884. *Boulton, S. B.* On the antiseptic treatment of timber. [Excerpt.] London. 8°. (8,598)
1885. — An improvement in the process of creosoting timber. [London.] May, 1885. sm. 8°. (8,596)
- *Wood, De V.* A treatise on . . . the preservation of timber. 5th ed. New York. 8°. (20,733)
- *American Wood Preserving Co.* Preservation of timber. [Copper and barium process.] Boston. 8°. (19,633)
1889. *Bidlake, W. H.* Dry rot in timber [Pine wood]. London. 8°. (17,108)
- *Chandler, W. H.* Appliances and methods for the preservation of wood. *Paris Univ. Exhibition, 1889: U.S. Comm. Reports.* Vol. 2. 1891 8°. (8,243)
- [1889 ?] *Wood Vulcanizing Co.* Wood vulcanizing. New York. 12°. (7,301)
1894. *Tratman, E. E. R.* Report on the use of metal railroad ties and on preservative processes, and metal tie-plates for wooden ties. *U.S. Dept. of Agriculture: Div. of Forestry.* Bulletin. No. 9. J 29 Fo : 887

WOOD, PRESERVING; DRY-ROT—*continued.*

1895. *Andés, L. E.* Das Conserviren des Holzes. Wien. sm. 8°. (24,129)
1900. *Norfolk Creosoting Company.* Creosoted timber, its preparation and uses. Philadelphia. 12°. (26,987)
- — *Madera Impregnada con Creosota, su preparación y sus usos.* Filadelfia. 12°. (26,988)
- *Barschall Impregnating Co.* A treatise on wood preservation . . . with special reference to a new German process (Hasselmann's patents). New York. 16°. (26,966)
1902. *Dumesny, P.* Conservation des bois. Séchage rapide, imputrescibilité et ininflammabilité des bois. Paris. sm. 8°. (28,341)
1902. *Hartig, R.* Der echte Hausschwamm und andere das Bauholz zerstörende Pilze. 2te Aufl. von C. von Tubeuf. Berlin. 8°. (29,013)
- *Schrenk, H. von.* The decay of timber and methods of preventing it. *U.S. Dept. of Agriculture.* Bureau of Plant industry. Bulletin. No. 14. 8°. J 29 P1:
With a bibliography, pp. 67-8.

Wooden roofs. *See* Roofs and roofing (*General treatises*).

WORKHOUSES.

1882. *Osthoff, G.* Die Armen- Arbeitshäuser. Anlage und Einrichtung derselben. Leipzig. sm. 8°. (6,107)
1889. *Knight and Co.* Knight's guide to the arrangement and construction of workhouse buildings, etc. London. 8°. (22,669)

WORKMEN'S DWELLINGS AND TENEMENT BUILDINGS.

- [18 ?] *Liverpool, Corporation of.* Short description of the recently erected artizans' dwellings, Liverpool. Liverpool. obl. 4°. (19,913)
1854. *Brady, C.* The practicability of improving the dwellings of the labouring classes. London. 8° (7,672)

WORKMEN'S DWELLINGS AND TENEMENT BUILDINGS—*cont.*

1864. *Society of Arts*. Reports. Dwellings. A report by the Special Committee on the statistics of dwellings improvement in the Metropolis. London. 8°. (16,483)
1867. *Chadwick, E.* Report on dwellings characterised by cheapness combined with the conditions necessary for health and comfort. *Paris Universal Exhibition, 1867: British Comm. Reports*. 1868. Vol. iii. 8°. (13,626)
- *Foucher de Careil, A.* Les habitations ouvrières. *Lacroix, E.* Études sur l'Exposition de 1867. Vols. 1, 2, 3. 8°. (13,101)
- *Hirsch, A.* Arbeiterwohnungen vom socialen, nationalökonomischen und sanitären Standpunkte. *Paris Univ. Exhibition, 1867: Austrian Comm. Berichte*. Heft xi. 8°. (13,249)
- *Manega, R.* Arbeiterwohnungen vom vorwiegend technischen Standpunkte. *Ibid.* 8°. (13,249)
1877. *Fletcher, B. F.* Model houses for the industrial classes. 2nd ed. Added, sanitary hints, or how to keep your home healthy. London. 8°. (12,322)
1879. *Klasen, L.* Die Arbeiter-Wohnhäuser in ihrer baulichen Anlage und Ausführung, sowie die Anlage von Arbeiter-Kolonien. Leipzig. sm. 8°. (8,230)
1883. *United States: Census Office (10th Census, 1880)*. Report on the factory system of the United States. [pp. 68-72, and plates i.-xiii., The homes of factory operatives.] By C. D. Wright. Washington. 4°. (20,150)
1885. *Cacheux, É.* L'économiste pratique. Construction et organisation des . . . habitations ouvrières et maisons d'employés, etc. Paris. 8° and fol. atlas. (19,872)
1886. *Gowans, Sir J.* Model dwelling-houses. With a description of the model tenement erected within the grounds of the International Exhibition, Edinburgh, 1886. Edinburgh. sm. 8°. (19,993)
- *Liverpool, Corporation of.* City of Liverpool Labourers' dwellings. Report of the city engineer. Liverpool. 8°. (19,912)
1889. *Cacheux, É.* Études sur les habitations ouvrières à l'Exposition de 1889. *Vigreux, C.* Revue technique, etc. Pt. 1. 8°. (21,983)

WORKMEN'S DWELLINGS AND TENEMENT BUILDINGS—*cont.*

1889. *Roulliet, A.* Les habitations ouvrières à l'Exposition Univ. de 1889, à Paris. Nancy. 8°. (19,039)
1894. *Manega, R.* Die Anlage von Arbeiterwohnungen vom wirtschaftlichen, sanitären und technischen Standpunkte, mit einer Sammlung von Plänen der besten Arbeiterhäuser Englands, Frankreichs und Deutschlands. 3te Aufl. von P. Gründling. Weimar. 8° and 4° atlas. (24,669)

Workshops. *See* Factories.

YORK MINSTER.

1831. *Gage, J.* Remarks on alterations proposed in York Minster. London. 8°. (9,745)
- *Smirke, R.* Letter . . . on the proposal to remove the screen in York Minster. London. 8°. (11,289)

Zinc construction. *See* Sheet metal construction.

KEY TO THE CLASSIFICATION OF HEADINGS.

NOTE.—Headings placed within square brackets are not printed in this subject-list.

ARCHITECTURE AND BUILDING CONSTRUCTION. *See also* [Archæology; Arts, Fine; Bridges (*architecture*); Engineering; Geometry (*applied*); Hydraulic Engineering; Military Architecture].

Bibliography (p. 15).

Dictionaries (pp. 15-17).

General treatises (pp. 17-20).

Societies (pp. 20-21).

Periodicals (pp. 21-22).

Digests (p. 22).

Historical and Æsthetic (pp. 23-25). *See also* Church Architecture; Domestic Architecture.

Descriptive (pp. 25-26). *See also* Church Architecture; and *special buildings* as Albert Hall; etc.

Styles.

General treatises (p. 26).

Egyptian (p. 26). *See also* [Egypt].

Assyrian (p. 26).

Etruscan (p. 27).

Classic (p. 27). *See also* l'ompeii.

The Orders (p. 27).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*Historical and Æsthetic—*continued.*Styles—*continued.*

Byzantine (p. 28).

Mohammedan (p. 28). *See also* Alhambra.

Mediæval (p. 28).

Gothic (p. 29). *See also* Church Architecture; Roofs
(*Gothic*).

Renaissance (pp. 29-30).

Tudor (p. 30).

Modern (p. 30).

Oriental (p. 30).

Architectural Education (p. 14).

Architectural Designs and Drawings (pp. 10-13). *See also*
[Decoration and Ornament; Design]; *special*
buildings as Cottages; etc., and special headings
*as Concrete Architecture; etc.*Landscape Architecture (p. 105). *See also* Fountains.

Summer-houses (p. 136).

BUILDING CONSTRUCTION. *See also* [Engineering; Hy-
draulic Engineering; Hygiene and Sanitary
Engineering; Mechanics; Toys (for *building*
toys)].

General treatises (pp. 38-42).

Pocket-books (p. 42).

Specifications: Valuation; Superintendence; Inspection
(pp. 43-44).

Price-books (p. 45).

Accidents (p. 45).

Building, State Regulation of (pp. 48-49). *See also*
Arbitration; Compensation; Dilapidations;
Light and Air, Right of access to.

Buildings, Dangerous, Remedying (p. 49).

Shoring and Underpinning (p. 125). *See also* Brick-
work.

Building Machinery and Plant (p. 46).

Scaffolding (p. 124).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*BUILDING CONSTRUCTION—*continued.*

Wood Architecture (p. 144). *See also* Domestic Architecture ; Landscape Architecture.

Carpentry. *See also* Arches (*centering, etc.*); [Cabinet-making]; Roofs and Roofing; [Squares, Drawing]; Stairbuilding and Handrailing; Walls and Wall Openings (for *doors* and *windows*); Wood (*tests*).

Dictionaries and Price-lists (p. 49).

General treatises (pp. 50-52).

Stone Architecture (p. 130).

Masonry and Stone-cutting (pp. 110-111). *See also* Arches and Vaulting; [Bridges (*masonry*); Dams]; Roofs and Roofing (*masonry*); Stairbuilding and Handrailing; Stone-working Machinery.

Pisé or Cob work (p. 115).

Brick Architecture (p. 32).

Brickwork (p. 37). *See also* Arches and Vaulting; Damp Prevention in Buildings; [Tunnelling]; Walls and Wall Openings.

Tall Chimney Construction (p. 136). *See also* [Furnaces].

Tall Chimney Climbing (p. 136).

Terra-cotta Architecture (p. 138). *See also* Terra-cotta.

Concrete Architecture (p. 64). *See also* Concrete and Concrete construction.

Iron and Steel Construction (pp. 102-105). *See also* [Bridges (*metallic*); Corrosion and Protective Compositions]; Domes; [Elasticity and Strength of Materials, etc.]; Fireproof Construction; Gas Holders; [Heat (*change of volume and state*); Iron and Steel]; Roofs (*metal and glass*); Stairbuilding and Handrailing.

Sheet Metal Construction (p. 125). *See also* Roofs (*metal and glass*).

Earthquake-resisting Construction (p. 73). *See also* [Earthquakes].

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*BUILDING CONSTRUCTION—*continued.*

Fireproof Construction (pp. 80-81). *See also* Concrete and Concrete Construction; [Fire Prevention and Extinction]; Glazing; Iron and Steel Construction; [Lightning Conductors; Safes and Strong-rooms]; Theatres and Public Halls.

Wood, Fireproofing (p. 145).

Damp Prevention in Buildings (p. 66). *See also* [Water Glass].

Plumbing. *See also* [Hygiene and Sanitary Engineering; Solders and Soldering].

General treatises (pp. 116-118).

Ornamental (p. 118).

Periodicals (p. 118).

House Decoration. *See also* [Decoration and Ornament; Paints, Pigments, and Varnishes].

Principles; Design (p. 98).

Practical Manuals (p. 98).

House Painting (pp. 99-100).

Marbling and Graining (p. 109). *See also* [Cabinet-making and Wood-polishing]; Marble.

Sign Writing (p. 125).

Plastering and Plasters (p. 116). *See also* Cements, Building.

Architectural Acoustics (pp. 9-10). *See also* Houses of Parliament, Westminster (*heating, ventilation and acoustics*); Theatres and Public Halls.

Lighting, Natural, of Buildings (p. 107). *See also* Floors and Ceilings (*for floor and ceiling lights*); [Photography (*studios, etc.*)]; Roofs and Roofing (*for roof-lights*).

Glazing (pp. 85-86).

Studios (p. 135). *See also* [Photography (*studios, etc.*)].

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued*.BUILDING CONSTRUCTION—*continued*.

Heating and Ventilating Buildings. *See also* Electric Heating and Cooking; [Furnaces; Gasfitting for Lighting and Heating; Heat (*general technology*); Hygiene and Sanitary Engineering]; Plumbing; and *special structures, e.g.*, Educational Buildings; Factories; Hospitals; Houses of Parliament, Westminster (*heating, ventilation, and acoustics*); Library Buildings, etc.; [Railway Vehicles; Stables].

History (p. 86).

General treatises (pp. 87-92).

Societies (p. 95).

Periodicals (p. 95). *See also* [Lighting and Heating (*periodicals*)].

By Hot-air circulation (p. 93).

By Hot-water circulation (pp. 93-94).

By Steam circulation (pp. 94-95).

Stoves and Grates. *See also* Cooking Stoves and Ranges; [Greenhouses, etc.].

General construction (pp. 132-133).

Chimneys (pp. 133-135). *See also* Tall Chimney Construction.

Chimney-sweeping (p. 61).

Chimney and Ventilating-shaft Tops (p. 135).

Chimney-pieces (p. 135).

Ventilation. *See also* [Air (*for analysis, etc.*)]; Bricks and Tiles (*ventilating*); [Fans, Centrifugal and Screw; Mine Ventilation; Sewerage; Ships; Tunnels, Ventilating].

Patent literature (p. 140).

General treatises (pp. 140-142).

BUILDING MATERIALS. *See also* [Asphalt and Bitumen; Ceramics; Elasticity and Strength of Materials, etc.; Hardware; Iron and Steel].

General treatises (pp. 46-47).

Tests (p. 47).

Chemistry (p. 47). *See also* [Chemical Technology].

Periodicals (p. 48).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*BUILDING CONSTRUCTION—*continued.*BUILDING MATERIALS—*continued.*

[Wood.]

Tests (pp. 143-144).

Bricks and Tiles. *See also* Brick Architecture; Furnaces (*kilns*); [Paving (*brick*); Presses]; and Manufacturers' Catalogues, Class O. a.

Patent Literature (p. 33).

History (p. 33).

General treatises (pp. 33-35).

Drying (p. 36).

Prevention of Accidents in Manufacture (p. 36).

Art Tiles (p. 36). *See also* [Enamels and Enamelling].

Glazed (p. 36).

Ventilating (p. 36).

Periodicals (p. 36).

Fireclays and Fire-bricks (p. 79). *See also* [Assaying Ores, etc.; Furnaces; Iron and Steel (*analysis*)].Terra-cotta (p. 137). *See also* Terra-cotta Architecture.Cements, Building. *See also* [Asphalt and Bitumen]; Foundations; Furnaces (*kilns*); [Grinding and Crushing]; Masonry and Stone-cutting; Plastering and Plasters; [Water Glass].

General treatises (pp. 53-56).

Tests (pp. 56-57).

Hydraulic Cements (pp. 58-60).

Stone, Artificial (pp. 130-131). *See also* [Plastic Compositions and Imitation substances].Concrete and Concrete Construction (pp. 63-64). *See also* Concrete Architecture; Fireproof Construction; Foundations.

Armoured Cements (p. 57).

Slagwool (p. 125).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*BUILDING CONSTRUCTION—*continued.*BUILDING MATERIALS—*continued.*

Stone. *See also* Masonry and Stone-cutting ; [Quarrying] ; Stone Architecture.

General treatises (pp. 128-129).

Tests (p. 130).

Granite (p. 86).

Limestone (p. 107). *See also* [Iron and Steel (*analysis*)].

Marble (p. 109). *See also* Marbling and Graining ; [Statuary].

Stone, Preserving (p. 131). *See also* [Water Glass].

(Construction details.)

See also [Electric Wiring].

Arches and Vaulting. *See also* Brickwork ; [Bridges] ; Domes ; Masonry and Stone-cutting ; Roofs and Roofing ; [Statics (*graphic*) ; Tunnelling] ; Walls and Wall Openings.

History (p. 8).

General treatises (pp. 8-9).

Centering and Decentering (p. 9). *See also* Carpentry,

Balconies (p. 31)

Domes (p. 67). *See also* Arches and Vaulting.

Fences and Gates (pp. 78-79).

Floors and Ceilings (p. 81). *See also* Fireproof Construction ; Roofs and Roofing.

Foundations. *See also* [Bridges ; Caissons ; Cofferdams] ; Concrete and Concrete Construction ; [Piles].

General treatises (p. 82).

Pneumatic methods (p. 82).

Other methods (p. 83).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*BUILDING CONSTRUCTION—*continued.*(Construction details)—*continued.*

Roofs and Roofing. *See also* Arches and Vaulting; Bricks and Tiles; Carpentry; Domes; [Elasticity and Strength of Materials, etc.]; Fireproof Construction; Floors and Ceilings; Masonry and Stone-cutting.

General treatises (*including* Wooden roofs) (p. 122).

Masonry (p. 123).

Composition (p. 123).

Metal and Glass (p. 123). *See also* Iron and Steel Construction; Plumbing; Sheet-metal Construction; [Sheet-metal working].

Paper (p. 123).

Gothic (p. 124).

Stairbuilding and Handrailing (*including* Balusters) (pp. 127-128). *See also* Carpentry; Masonry and Stone-cutting.

Walls and Wall Openings. (pp. 142-143) *See also* Brickwork; Concrete and Concrete Construction; Damp Prevention in Buildings; Fireproof Construction; Masonry and Stone-cutting; Pisé or Cob work; [Sea and Retaining Walls].

(Special buildings.)

See also [Agricultural Buildings]; Architectural Designs and Drawings; [Laboratories, Scientific; Lighthouses; Observatories].

Church Architecture (pp. 61-63). *See also* Derbyshire (*Bakewell Church*); London (*church architecture*); Rome (*St. Peter's, Rome*); York (*York Minster*).

Cathedrals (p. 53).

Chapels, Bridge and like (p. 60).

Theatres and Public Halls (*including* Theatrical Appliances) (pp. 138-139). *See also* [Fire Prevention, etc. (*in theatres, etc.*)]; Fireproof Construction; London (*Albert Hall*); [Toys (*shadow pictures*)].

Amphitheatres (p. 7).

Panoramas (p. 114).

Scene-painting (p. 124).

Band-stands (p. 31).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*(Special buildings)—*continued.*

Domestic Architecture. *See also* [Agricultural Buildings]; Brick Architecture; Concrete Architecture; [Decoration and Ornament (*house decoration*)]; Domestic Hygiene and Sanitation; Pisé or Cob work Stone Architecture; Terra-cotta Architecture; Wood Architecture.

History (p. 67).

General treatises (pp. 68-71).

Cottages (pp. 65-66).

Lodging Houses (p. 108).

Workmen's Dwellings and Tenement Buildings (pp. 148-150).

Hotels and Clubs (p. 97).

Restaurants and Coffee-houses (p. 121).

Monuments (p. 113). *See also* Church Architecture; [Dead, Disposal of; Egypt]; Masonry and Stone-cutting.

Obelisks (p. 114).

Pyramids (p. 121).

Public Buildings (p. 120). *See also* Panthéon Français; and in *General catalogue under* Peabody Institute, Baltimore.

Houses of Parliament (p. 100). *See also* Houses of Parliament, Westminster.

Record Offices (p. 121). *See also in General catalogue under* Record Office.

Law Courts (p. 106).

Post and Telegraph Offices (p. 119).

Prisons. *See also* [Treadmill].

General treatises (p. 119).

Management and Hygiene (pp. 119-120).

Town Halls (p. 139).

Baths and Wash-houses, Public (pp. 31-32). *See also* [Hygiene and Sanitary Engineering].

Mortuaries (p. 113).

Hospitals and other Charitable Institutions (pp. 96-97). *See also* [Military Architecture].

Hospitals (pp. 95-96). *See also* [Air (*filtration*); Fire Prevention, etc. (*in hospitals*)].

Asylums (p. 31).

Workhouses (p. 148).

ARCHITECTURE AND BUILDING CONSTRUCTION—*continued.*(Special buildings)—*continued.*Public buildings—*continued.*

Educational Buildings. *See also* [Educational Appliances]; *and in General catalogue under London University.*

History (p. 73).

Construction (pp. 74-75).

Hygiene (p. 75).

Library Buildings and Appliances (p. 106). *See also* Theatres and Public Halls; *and in General catalogue under British Museum; Patent Office Library.*

Indicators, Library (p. 102).

Museums and Art Galleries (p. 114). *See also in General catalogue under British Museum; Hanover Museum; National Gallery.*

Exhibition Buildings (p. 76). *See also in General catalogue under name of Exhibition (e.g., London).*

Gymnasia (p. 86). *See also* [Gymnastics].

Market Buildings (pp. 109-110). *See also* [Hygiene and Sanitary Engineering].

Slaughterhouses and Cattle Markets (p. 126).

Mercantile Buildings (p. 112). *See also* Royal Exchange.

Factories. *See also* Agricultural Technology (*buildings and plant*); [Brewing (*buildings and plant*); Chemical Technology (*buildings and plant*); Distillation and Spirit Manufacture (*buildings and plant*); Factory Legislation; Factory Systems, etc.; Fire Prevention, etc. (*in mills and factories*)]; [Hygiene of Employment; Machinery (*mechanical tables and workshop practice*); Railway Workshops; Sugar (*buildings and plant*); Textile Factories; Textile Fibres, Chemical Technology (*buildings and plant*)].

Construction and Equipment (pp. 76-77).

Prevention of Accidents (pp. 77-78).

Periodicals (p. 78).

Towns (p. 140). *See also* [Hygiene and Sanitary Engineering; Lighting, Artificial; Water Supply].

[COOKERY; ETC.]

Cooking stoves and ranges (p. 65). *See also* Electric Heating and Cooking; Gas, Heating and Cooking by: Stoves and Grates.

[DRAWING.]

Architectural Drawing (pp. 13-14). *See also* [Mathematical Drawing Instruments; Perspective].

[ELECTRICITY.]

Electric Heating and Cooking (p. 76).

[FURNACES.]

Kilns (p. 84). *See also* Bricks and Tiles; Cements (Building); [Ceramics; Heat (*general technology*)].

Periodicals (p. 84)

[GAMES AND SPORTS.]

Special Buildings and Appliances for (p. 84).

[GAS MANUFACTURE, DISTRIBUTION, ETC.]

Gas, Heating and Cooking by (p. 85).

[HERALDRY.]

In Architecture (p. 95).

[HYGIENE.]

Domestic Hygiene and Sanitation (pp. 71-73). *See also* Domestic Architecture.

[LAW.]

Arbitration (p. 7).

Compensation (p. 63).

Dilapidations (p. 67).

Light and Air, Right of access to (p. 106).

[LIGHTING, ARTIFICIAL.]

Of Interiors (p. 106). *See also* Domestic Architecture ; Domestic Hygiene and Sanitation.

[MACHINE TOOLS.]

Stone-working Machinery (p. 131). *See also* Masonry and Stone-cutting.

[MILITARY ARCHITECTURE.] *See also* [Military Hygiene].

Barracks and Hospitals (p. 112)

Hospitals (p. 113).

[PHOTOGRAPHY.]

[Scientific Applications.]

Architectural Photography (p. 14). *See also* [Surveying, Photographic].

[MINERAL INDUSTRIES, NON-METALLIC.]

Slate and Slate Quarrying (p. 126)

[REFRIGERATION.]

Ice Cellars (p. 102).

[TOPOGRAPHY.]

[DERBYSHIRE.]

Bakewell Church (p. 31).

[LIVERPOOL.]

Architecture (p. 107).

[TOPOGRAPHY]—*continued.*

[LONDON.]

Architecture (p. 108).

Church Architecture (p. 108).

St. George's Cathedral, Southwark (p. 124).

Temple Church (p. 137). *See also* [Organs].

(Special buildings.) *See also in General catalogue under*
British Museum; London University;
National Gallery; Patent Office Library;
Record Office.

Albert Hall (p. 7).

Houses of Parliament, Westminster.

Architecture (pp. 100-101).

Heating, Ventilation, and Acoustics (p. 101).

Royal Exchange (p. 124).

[PARIS.]

Architecture (p. 115).

(Special buildings.)

Eiffel Tower (p. 76).

Panthéon Français (p. 115).

POMPEII. (p. 118).

[ROME.]

St. Peter's, Rome (p. 124).

Vatican (p. 121).

[SPAIN.]

Alhambra (p. 7).

[YORK.]

York Minster (p. 150)

[VEGETABLE SUBSTANCES, PRESERVING.]

Wood, Preserving ; Dry-rot (pp. 145-148). *See also* Damp Prevention in Buildings ; [Paving (*wood*) ; Railway Construction (*permanent way*) ; Wood] ; Wood-borers, Marine.

WATER SUPPLY.]

Fountains (p. 83). *See also* Landscape Architecture.

[ZOOLOGY.]

[Mollusks.]

Wood-borers, Marine (p. 144).



THIS BOOK IS DUE ON THE LAST DATE
STAMPED BELOW

AN INITIAL FINE OF 25 CENTS

WILL BE ASSESSED FOR FAILURE TO RETURN
THIS BOOK ON THE DATE DUE. THE PENALTY
WILL INCREASE TO 50 CENTS ON THE FOURTH
DAY AND TO \$1.00 ON THE SEVENTH DAY
OVERDUE.

NOV 8 1942

NOV 9 1942

MAY 1954 LB

YA 00752

818046

T8

968

no. 12

UNIVERSITY OF CALIFORNIA LIBRARY

PATENT OFFICE LIBRARY PUBLICATIONS.

CATALOGUE OF THE PATENT OFFICE LIBRARY.

Vol. I.—AUTHORS. 1898. 1l. 6s., by post 1l. 6s. 8d.

„ II.—SUBJECTS. 1883. 15s. 8d., by post 16s. 2d.

(*New Edition in preparation. MS. may be consulted in
Library.*)

GUIDES TO THE PATENT OFFICE LIBRARY.

Price 6d. per number; by post, 6½d.

1. Key to classification of French Patent Specifications.
2. Photography. Subject List.
3. Laws of Industrial Property and Copyright. Subject List.
4. Guide to the Search Department of the Patent Office Library. With Appendices. (*2nd ed. in Press.*)
5. Key to the German Patent Classification (Austria : Denmark : Germany : Norway).
6. Chemistry and Chemical Technology. Subject List.
7. Chemical Industries, viz.:—Destructive Distillation, Gas Lighting, Acetylene; Oils, Fats, Soaps, Candles, Perfumery; Paints, Varnishes, Gums; Paper and Leather Industries. Subject List.
8. Class list and index to the Periodical Publications in the Patent Office Library.
9. Domestic Economy, Foods, and Beverages; including the Culture of Cacao, Coffee, Barley, Hops, Sugar, Tea, and the Grape. Subject List.
10. Textile Industries and Wearing-apparel, including the Culture and chemical technology of Textile Fibres. Subject List.
11. General Science, Physics, Sound, Music, Light, Microscopy, and Philosophical Instruments. Subject List.
12. Architecture and Building Construction. Subject List.

(*Others in preparation*)